DETERMINATION OF THE CHRONIC MAMMALIAN TOXICOLOGICAL EFFECTS OF RDX:

(Twenty-four Month Chronic Toxicity/Carcinogenicity Study of Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) In the Fischer 344 Rat)

FINAL REPORT--PHASE V

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## Contract No. DAMD17-79-C-9161 IITRI Project No. L6121 Study No. 6

DETERMINATION OF THE CHRONIC MAMMALIAN TOXICOLOGICAL EFFECTS OF RDX

TWENTY-FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY
OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE
(RDX) IN THE FISCHER 344 RAT

FINAL REPORT

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### **EXECUTIVE SUMMARY**

This study was conducted to evaluate the toxicity of the munition compound hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX CAS Reg. No. 121-82-4) in Fischer 344 rats when administered in their diet for up to 24 months. Groups of 75 rats per sex received RDX at doses of 0, 0.3, 1.5, 8 or 40 mg/kg/day. Ten rats/sex/dose were killed following 6 and 12 months on test with surviving animals killed after 24 months of treatment. Toxicologic endpoints included clinical signs, body weights, food consumption, hematology, clinical chemistry, ophthalmology, organ weights, and gross and tissue morphology.

The major toxic effects observed during the administration of RDX to F344 rats for up to 24 months included anemia with secondary splenic lesions, hepatoxicity, possible CNS involvement, cataracts and urogenital lesions. Based on the observance of increased levels of a hemosiderin-like pigment deposited in the spleen (a secondary response to a hemolytic-type anemia), suppurative inflammation of the prostate and decreased survival in male rats administered 1.5 mg/kg/day or greater, the no-effect level under the conditions of the present study is 0.3 mg/kg/day.

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### **EOREWORD**

Army Medical Bioengineering Research The U.S. Development Laboratory (USAMBRDL), Fort Detrick, Frederick, MD, has been conducting a research program since 1973 for purpose of developing the scientific data base necessary for recommending water quality criteria for compounds unique to the munitions industry. A water quality criterion (as defined by the amended Clean Water Act, 1977) is a qualitative or quantitative estimate of the concentration of a pollutant in ambient waters that, when not exceeded, will ensure a water quality sufficient to protect a specified water use. The criterion is a scientific entity based solely on data scientific judgement. It does not reflect considerations of economic or technological feasibility. Currently, a water quality criterion consists of two separate numerical limits. one for the protection of human health and the other for the of aquatic organisms. These numbers, when translated by the appropriate regulatory agency, can be the basis of enforceable discharge or effluent limitations in a point source discharge permit issued under the Clean Water Act.

Since a water quality criterion is to protect designated water uses, a diverse, multidisciplinary research program was developed by USAMBRDL that includes "effects" studies on laboratory and domestic animals, wildlife species, aquatic organisms, plants, and economically important crops. In addition, extensive chemical and biological fate and persistence tests are conducted to provide information on the behavior of a pollutant in the aqueous environment. These kinds of data are especially useful for making site-specific translation of criteria into enforceable discharge limits.

This report represents a portion of the mammalian toxicology data base being developed by USAMBRDL on hexahydro-1,3,5-trinitro-1,3,5-triazine. It should be noted that Phases II, III, and IV were parallel studies with TNT, conducted under Contract No. DAMD17-79-C-9120. The Phase I report included subchronic studies with both compounds.

Animal Experimentation: Animal experiments were conducted in accordance with the "Guide for the Care and Use of Laboratory Animals" (1978), DHEW Publication No. (NIH) 78-23, prepared by the Committee on Care and Use of Laboratory Animals of the Institute of Laboratory Animal Resources, National Research Council; the regulations and standards prepared by the Department of Agriculture; and the Public Law 91-579, "Laboratory Animal Welfare Act" (1970).

Citation of commercial organizations and trade names in this report does not constitute an official Department of the Army endorsement or approval of the products or services of these organizations.

### **ACKNOWLEDGMENT**

This report was prepared at IIT Research Institute, 10 West 35th Street, Chicago, Illinois, 60616, under U.S. Department of Army Contract No. DAMD17-79-C-9161 (IITRI Project No. L06121) entitled "Determination of the Chronic Mammalian Toxicological Effects of RDX". Mr. Jesse J. Barkley, Jr., Health Effects Research Division, USAMBRDL, served as the Contract Officer's Technical Representative for this program.

The work reported herein was conducted in the Toxicology Pharmacology Section of the Life Sciences Division, and represents a portion of the overall effort of the above named research program. Paul M. Lish, Ph.D., Scientific Advisor, served as Principal Investigator. Barry S. Levine, D.Sc., Toxicologist, served as study director and was responsible for the overall conduct of the study. Eva M. Furedi-Machacek, DVM, served as study toxicologist and was also responsible for the supervision of the technical support John M. DVM, Senior personnel. Burns, Veterinary Pathologist, Bobby R. Collins, DVM, M.S., and Vladislava S. Rac, DVM, M.S., were consecutively responsible for supervision of gross necropsies. Carol A. Thompson, DVM, M.S., tabulated the gross necropsy data. Drs. Burns and Levine served as consecutive heads of the the clinical pathology laboratory, and Don Reitman, Samuel Terese, B.S. (ASCP-MT), and Debbie L. Sava, B.S. (ASCP-MT), were responsible for generation of clinical pathology data. Donovan E. Gordon, DVM, Ph.D., Consultant, Veterinary Pathology, was responsible tabulation and evaluation of histopathology data. Bobby R. Collins, DVM, M.S., and Joseph B. Harder, DVM, served as clincal veterinarians and supervised animal care personnel. Joann M. Hinz, B.S., and Robert M. Renaud, B.S., were responsible for the collection of test data. Dorothy Davis (ASCP-HT) was responsible for preparation of histology slides. Susan West, DVM, performed the ophthalmic examinations. Josephine M. Reed, M.M., M.S., Supervisor, Quality Assurance, was responsible for the quality assurance program. Robert Remaly, B.S., Senior Engineer, was responsible for preparation of the test article premixes. Hugh J. O'Neill, Ph.D., Manager, Analytical Chemistry, Walter C. Eisenberg, Ph.D., Senior Chemist, and Debbie Cunningham, Assistant Chemist, were responsible for chemical analyses of test article, test article premixes and test diets. Jean Graf provided the particle size analyses. Robert Gibbons, Ph.D., provided statistical and computational assistance.

### QUALITY ASSURANCE STATEMENT

Laboratory inspections covering all critical study were conducted on twenty-four occasions during the course of the study. The dates are as follows: December 11, 1980; January 7, 22, and 26, April 30, May 20 and 28, June 18, July 22, August 28, September 29, November 10 and 24, 1981; and January 18, February 10, April 21, May 27, July 8, August 24, October 12, and November 10, 16, 23, and 29, 1982. Data audits were conducted beginning on January 15, 1981 with subsequent audits conducted throughout the study on April 30 and September 29, 1981; January 18 to 21, March 11, June 18 to 21, July 8, August 2, September 15 and 23 and October 17 to November 2, 1983. In addition Chemistry operations and data collection were monitored each time premix or diet samples were submitted for analysis. The final draft report was augited between January 30 and February 10, 1984. Inspections and audits were performed by Josephine Reed, Julie McPhilips, Susan Nadolny and Kirit Parikh. The study was found to meet TITRE Life Sciences Quality Assurance criteria. Specimens and raw data generated during the study will be retained in the IITRI Life Sciences Archives as specified in standard operating procedures.

Josephine M. Reed

Supervisor, Quality Assurance

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### I. INTRODUCTION

The U.S. Army Medical Research and Development Command (USAMRDC) has been directed to evaluate the potential hazards to living systems of wastewater discharges from munitions facilities. Of primary concern are the toxicologic effects to mammalian systems of hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX; CAS Reg. No. 121-82-4). This high explosive is routinely used in filling shells and bombs. Wastewaters resulting from the loading of this explosive into shells are discharged into the environment without significant treatment and are subject to limitations imposed by governmental regulatory agencies. Evaluation of the potential hazards of these wastewaters to human health is therefore a necessary portion of the data-base required to establish comprehensive environmental criteria.

The present study was conducted to aid in this evaluation and assessed the chronic toxicity and carcinogenicity of RDX in Fischer 344 rats when administered in the diet for at least 104 weeks. Information ultimately derived from this comprehensive long-term toxicology study will aid USAMRDC in developing criteria for the establishment of effluent standards and in defining levels of treatment for its pollution abatement program.

The study reported herein was conducted in accordance with the IITRI Quality Assurance Program designed to comply with FDA Good Laboratory Practice Regulations (1). Thus, all terms used in this report, e.g. test article, raw data, specimens, etc., are in agreement with the definitions set forth in the aforementioned document.

### II. MATERIALS AND METHODS

### A. <u>Test Article</u>

Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX: CAS Reg. No. 121-82-4), batch No. HOL 435-37, 100 pounds, was made available for this study from stocks at the IITRI Kingsbury Ordnance Plant (KOP) Explosive Facility, La Porte, In. The test article was stored at the facility at ambient room temperature, relative humidity, and in the dark. Upon initiation and at termination of the treatment phase of the study, 30 g samples were taken and stored under conditions similar to those for the batches.

The purity of the test article was determined by high performance liquid chromatography with analytical standards provided by the Sponsor as described in Appendix 1. RDX

purity was analyzed three times during this study. The results were as follows: May 1981 (91.0  $\pm$  2.9%), May 1982 (89.2  $\pm$  8.0% and April 1983 (98.7  $\pm$  2.0%). The main contaminant was HMX and represented approximately 3-10% of the sample (estimated concentration on the basis of percent area integration). The other impurities were not determined.

Particle size analyses were done in November 1979 and November 1981 by the Fine Particles Research Section of the Chemistry and Chemical Engineering Division of IIT Research Institute. The results were as follows:

Date	No	vember	1979	No	vember	1981
Size (um)	Number	1	Cummul. %	Number	<b>5</b>	Cummul. &
<22	3 5 5	51.7	51.7	1 05	21.0	21.0
22-44	1 84	26.8	78.5	216	43.2	64.2
44-66	75	10.9	89.4	92	18.4	82.6
66-110	38	5.5	94.9	41	8.2	90.8
110-220	22	3.2	98.1	38	7.6	98.4
220-330	10	1.5	99.6	8	1.6	100.0
330-440	2	0.3	99.9	0		
>440	1	0.1	100.0	0		

### B. <u>Iest Diets</u>

Premixes of the test article, (approximately 10% in Purina Certified Rodent Chow No. 5002, Ralston Purina Co., St. Louis, MO., hereafter referred to as 5002), were prepared on a monthly basis in 4 kg quantities at the KOP facility by Chemistry Division personnel. Undiluted RDX was handled in accordance with procedures for explosive and fire hazards. The test article was ball milled with equal parts of 5002 and subsequently diluted with additional 5002 in a twin shell blender to yield approximate 10% premixes.

Each RDX premix was routinely tested for homogeneity, potency and recovery of the test article. RDX 10% premixes had previously been shown to be homogeneous and stable for at least 7 weeks (2). Homogeneity testing consisted of analyzing for test article concentration of each batch of premix taken from 6 random locations of its container. Premix stability was established for a period of seven weeks and later for a period of nine weeks by conducting homogeneity tests at the initial and the terminal point of the 7 or 9 week period. Twenty eight test diets (2 diets/sampling week) used in Test Weeks 2, 15, 30, 45, 52, 58, 64, 70, 76, 82, 88, 94, 100 and 104 were analyzed for accuracy and homogeneity. In addition, one control and two test diets were monitored for stability

under animal cage conditions for one week. They were sampled the day they were placed in the animal's cages and also one week later from the uneaten portion of the diet.

Premix and diet recovery studies consisted of adding a known quantity of test article to a weighted quantity of untreated 5002 in a measured volume of acetonitrile (the solvent used in the extraction procedure) to achieve the calculated premix or diet concentration. The spiked samples subsequently underwent the identical procedures as the actual diets.

Toxicology Section personnel received the test articles as approximate 10% premixes in 5002. These premixes posed little explosive or fire hazard as previously described (2). Following chemical analysis of the premixes to determine test article concentration (Appendix I), sufficient quantities were subsequently diluted with 5002 in a twin shell blender by toxicology personnel to achieve the concentrations of the test article necessary to administer the required dose levels on a mg/kg/day basis. The previous weeks' body weight and food consumption measurements for each test group by sex were used to calculate the projected body weight and food consumption values. Based on these values, the desired dietary concentration of the test article was calculated. Twenty and later 16 kg of each test diet (in two batches) was routinely prepared on a weekly basis.

One sample of 5002, lot March 24 82 G, was analyzed during the course of the study by Trace Elements, Inc. Park Ridge IL. (TEI) for those contaminants listed in the 5002 certification profile as shown in Appendix II. The references to the procedures used by TEI are in Appendix III. On the basis of the analytical results for chlortetracycline content, aliquots from this and three additional reserve samples of 5002 were sent to TEI for analysis. In addition, aliquots from these four reserve samples were sent to Scientific Associates, Inc., St. Louis, MO, Woodson-Tenent Laboratories, Inc., Memphis, TN, and Harris Laboratories, Inc., Lincoln, Neb. for chlortetracycline analysis. Samples of each 5002 lot used in the study were also analyzed for nitrate, nitrite and mercury content.

### C. <u>Test Animals</u>

Fischer 344 (F344) rats, obtained from Harlan Sprague-Dawley, Madison, WI, were used for this study. Four hundred and thirty six males and 447 females were received in good condition on November 3, 1980. They were 3 to 4 weeks

old upon arrival and random body weight means recorded within three days of receipt were  $37\pm$  8 g (males) and  $35\pm$  7 g (females).

The shipment was housed in two quarantine rooms, one for animal room conditions during quarantine, The pretest and test periods were as follows: 20-25 degrees centigrade, ambient relative humidity (30-70%), and 12 hour light/12 hour dark cycle. There were no other test animals in The animals were housed three per polycarbonate the rooms. cage (16.5" x 8"; 8" height) with Ab-sorb-dri bedding (Ab-sorb-dri Inc., Rochelle Park, N.J.) from arrival until their termination. Animals were transferred to clean cages twice weekly. Some of the male rats at the 40.0 mg/kg/day dose level were individually housed at the onset of Test Week By Test Week 40 all males at this dose level were housed separately. This was done to avoid injuries by cagemates and to avoid additional stress as RDX appeared to effect the nervous system. Each animal was identified during quarantine period by a combination of cage number and ear punch. Test animal selection was done at the onset of Test Week -2 (2 weeks prior to initiation of treatment). Animals placed on test received a study-unique test animal number (N=750) which appeared as a tail tattoo. Subsequently they were identified by an ear tag which was included with necropsy specimens.

Upon arrival at the liTRI animal facility, the animals were held in quarantine for 9 days. During this period, they were observed for signs of disease, general unthriftiness, poor coat, discharge from body openings, abnormal feces, etc. Any animals found to be unhealthy were eliminated from the test animal selection process. At the end of the quarantine period five animals of each sex were sacrificed. Extensive gross necropsies were performed under the supervision of the pathologist. Blood samples were collected for measurments of hematology and clincal chemistry parameters (see section 11.D) and serum antibody titer determination for the following: GD-VII, H-1, Kilham Rat virus, Adenovirus, Sendal virus, Rat Coronavirus-Sialodacryadenitis, Reovirus 3, Pneumonia virus of mice and Lymphocytic Choriomeningitis. These antibody titers were measured by Microbiological Associates, Bethesda MD. The Sendai virus antibody titer was elevated for some of these animals. Blood samples were subsequently collected from five males and five females from the control treatment group and serum was sent for additional testing. All ten of these samples were found to be within normal limits for Sendai virus antibody titer.

Animals received 5002 rodent chow from arrival until their termination, except during a 17 to 19 hour fast prior to

blood collection and/or scheduled termination. The food was available from powdered diet feeders (Model HB-69B, Hoeltge, Inc. Cincinati, Ohio). Tap water was available ad libitum from glass or plastic bottles.

### D. Experimental Design

Following the quarantine period, test-eligible animals were assigned to five treatment groups by a stratified randomization procedure (blocked by body weight). Following assignment to treatment groups, all animals were randomly assigned test animal numbers as shown below. Mean body weight values at randomization were  $58.7 \pm 10.0$  g (males) and  $59.1 \pm 8.6$  g (females). This procedure was performed at the onset of Test Week -2. The animals were approximately 6-7 weeks old upon initiation of treatment and body weight mean values recorded during Test Week -1 (the most recent data prior to initiation of treatment) were  $111 \pm 11$  g (males) and  $93 \pm 8$  g (females). The first day of exposure to the test article was December 1, 1980.

### Treatment Group Allocation:

Treatment Group			Test Animal No. (males)	Test Animal No.(females)
1.	75	0.0	1- 75	76-150
11.	75	0.3	151-225	226-300
111.	75	1.5	301 <b>-</b> 375	376-450
IV.	75	8.0	451-525	526-600
٧.	75	40.0	601-675	675-750

The appropriate test diets were available to the test animals ad <u>libitum</u> from Test Day 1 until their termination except during a 17 to 19 hour fast prior to either blood collection in Test Weeks 13, 26, 53 and 78 or scheduled termination in Weeks 27, 52 and 105-106. Thus, all animals received the appropriate test diet until approximately one day prior to their scheduled sacrifice. Weekly test diets were prepared for each treatment group by sex on the basis of predicted body weight and food consumption data.

Commencing with Test Week -1 until their termination, all animals were observed once daily in the morning for any pharmacologic and/or toxicologic signs. Afternoon mortality checks were initiated on Test Day 1. Physical examinations which included body weights and palpations for masses were conducted weekly from Test Week -1 through Test Week 14, then biweekly through Test Week 104. Food consumption was measured weekly for each cage of test animals commencing with Test Week -2 through Test Week 14, then biweekly through Test Week 104.

Mean daily food consumption per animal was calculated from these data.

All surviving animals were subjected to ophthalmic examinations during Test Weeks -2, 25, 51, 76 and 103. The examination consisted of indirect ophthalmoscopy and biomicroscopy. Only animals found to be free of clinically apparent lesions in the pretest examination were used in the study.

Serial blood collections were performed for 10 randomly selected animals/sex/dose level during Test Weeks 13, 26, 52, 78 and 104 for measurments of clinical chemistry and hematology parameters. If an animal died prior to its scheduled blood collection it was replaced by another randomly selected rat of the same sex and dose level. Approximately 1.5-2.0 ml of blood was collected from each animal via the orbital sinus. The samples were collected over a 3 consecutive day period and analyzed in a randomized order.

The following parameters were measured:

### Hematology:

Hematocrit
Hemoglobin
Mean corpuscular volume (MCV)
Mean corpuscular hemoglobin (MCH)
Mean corpuscular hemoglobin concentration (MCHC)
Erythrocyte count (RBCs)
Leukocyte count, total and differential
Platelet count

### Clinical Chemistry:

Glucose
Blood urea nitrogen (BUN)
Serum glutamic-pyruvic transaminase (SGPT;ALT)
Bilirubin, total and direct
Lactic dehydrogenase
Creatinine phosphokinase
Alkaline phosphatase
Triglycerides
Total cholesterol
Total protein
Albumin
Globulin (calculated value)
A/G ratio (calculated value)

Sodium Potassium Chloride Calcium

Methods used to measure the above parameters are listed in Appendix IV (hematology) and Appendix V (clinical chemistry).

All animals which were sacrificed in a moribund state or died on test were necropsied regardless of autolytic state. Ten randomly selected animals/sex/dose level, after exclusion animals designated for blood collection, were sacrificed during Test Weeks 27 and 53. Three hundred and forty surviving test animals were sacrificed and necropsied in random order during Test Weeks 105 and 106. Terminal recorded immediately prior to sacrifice. weights were Euthanasia was accomplished with carbon dioxide anesthesia followed by exsanguination from the abdominal aorta. The necropsy procedure was a thorough and systematic examination of the animal viscera and carcass with collection and fixation of the following tissues:

\*Adrenals Bone marrow smear \*Brain Cecum Colon Costochondral junction, rib Duodenum **Epididymes** Esophagus Eyes and optic nerve Gross lesions \*Heart lleum Jejunum \*Kidneys Larynx \*Liver Lungs and mainstem bronchi Lymph nodes (mandibular and mesenteric) Mammary gland Muscle Nasal turbinates \*Ovaries Pancreas Pituitary gland Prostate Rectum Salivary gland Sciatic nerve

Seminal vesicles
Skin, abdominal
Spinal cord (cervical, thoracic, lumbar)
\*Spleen
Sternum, including bone marrow
Stomach
\*Testes
Thymus
Thyroids (parathyroids)
Tissue masses
Trachea
Urinary bladder
Uterus

\*These organs were weighed during scheduled necropsies.

All tissues, except eyes, testes and bone marrow smears, were fixed at a thickness not exceeding 0.5 cm in 10% neutral buffered formal in (NBF) which was changed 24 hours later. Eyes and testes were fixed in 3% aqueous glutaral dehyde and Bouin's Solution, respectively, for 24 hours. They were transferred to 50% ethanol for 24 hours, then placed in 70% ethanol. Bone marrow smears were prepared from the femurusing the "paint brush technique". They were air-dried and fixed in absolute methanol. Lungs and urinary bladder were inflated with NBF prior to immersion in this fixative. The stomach was opened and flattened on paper prior to fixation. All tissues examined microscopically were cut at a thickness of 4 to 6 microns and stained with hematoxylin and eosin.

Tissues from all animals receiving 0.0 and 40.0 mg/kg/day were subjected to comprehensive histopathologic examination, defined as microscopic examination of the following tissues and/or organs:

Adrenals \*Brain (3 sections) Cecum Colon Duodenum Esophagus **Epididymes** Eyes and optic nerves Gonads Gross lesions Heart lleum Jejunum Kidneys Liver Lungs and mainstem bronchi Mammary gland Mesenteric lymph node Pancreas Pituitary gland Prostate Rectum Seminal vesicles Skin, abdominal Spinal cord (cervical, thoracic and lumbar) Sternum including bone marrow Stomach Tissue masses Thyroids (parathyroids) Trachea Urinary bladder Uterus

\*(1) frontal cortex and basal ganglia; (2) parietal cortex and thalmus; and (3) cerebellum and pons.

Tissues from all animals receiving 0.3, 1.5 and 8.0 mg/kg/day were subjected to limited histopathologic examination defined as microscopic examination of at least the following tissues and/or organs:

\*Brain
Gonads
Heart
Liver
Kidneys
Spieen
Spinal cord (cervical, thoracic and lumbar)

\*(1) frontal cortex and basal ganglia; (2) parietal cortex and thalmus; and (3) cerebellum and pons.

### E. Statistical Analysis

Those variables that were repeatedly measured, e.g. body weight, food consumption, and clinical pathology parameters were statistically analyzed using a multivariate analysis of variance for repeated measurements model. Variables that were measured a single time, e.g. organ weights, were analyzed using both univariate and multivariate analysis of variance procedures. In the presence of significnt ANOVA results, a series of post-hoc analyses were conducted. Individual between group comparisons at each time-point were performed using Tukey's b test for multiple comparisons. Frequency data, such as incidence of mortality, gross necropsy observations and histopathologic lesions were compared using

log linear analysis techniques where appropriate. Time to death data were analyzed using Kaplan-Meier and Cox regression analyses. Ophthalmic lesions were analyzed by Chi-square test. Individual animal data can be found in Appendix VI.

### III. RESULTS

### A. <u>Iest Diets</u>

Doses received by test animals based on their body weights and food consumption, and theoretical concentration of test article in the diet are shown in Tables 1 and 2.

Analytically determined concentrations of RDX in test diets were found to be very close to their intended concentrations. The overall percent mean  $\pm$  S.D. for the actual/intended ratio was  $97.0\pm9.8\%$ . When test diets were sampled one week after being placed in the animal room, a slight decrease in RDX concentration may have occurred. The known volatility of RDX may have accounted for this negligible change (Table 3).

### B. Food and Water Contaminants

The analysis of a 5002 sample for those contaminants listed in the 5002 certification profile is shown in Appendix II. The results of the repeat testing of 5002 samples for chlortetracycline content is contained in Appendix VII. The three reference laboratories which reanalyzed the 5002 samples following TEI generally reported negligible quantities of chlortetracycline.

A sample from each 5002 lot was analyzed for nitrate, nitrite and mercury content. The results are shown in Appendix VIII. Analytical results obtained from a sample of Chicago water are contained in Appendix IX.

### C. Mortality/Clinical Observations

RDX at 40 mg/kg/day was lethal to most of the males and many of the females during the two year treatment period. Mean survival time for these high dose males was 14.6 months compared with 22.3 months for control males. For these high dose females, a 20.6 months mean survival time was seen versus 22.0 months for control females. Both of these reductions were statistically significant (Table 4; Figures 1 and 2).

Prior to their death, tremors and/or convulsions, first observed around Test Week 25, were often seen for 40 mg/kg/day animals. In addition, many of the males and some of the

females were on occasion hyperreactive to approach. This was first apparent by Test Week 9, and this increased sensitivity to stimuli apparently resulted in fighting among many of the co-habited males. As a result, high dose males which were fighting were singly housed during Test Week 30. Subsequently in Test Week 40, the remaining high dose males were placed in separate cages.

Discolored and/or opaque eyes were seen in an increased frequency for high dose females. This was first observed approximately midway through the  $\pm$ +udy and continued until termination.

### D. Body Weight

Dose-related reductions in body weight gain were seen throughout the study for males receiving 8 or 40 mg/kg/day. At this latter dose, a 20-30% reduction was apparent for most of the study. For males administered 8 mg/kg/day, an approximate 5% reduction was observed. Body weights of female rats were less affected than males. Although females receiving 40 mg/kg/day often showed 10-15% reductions in body weight gain, there were several points in time when their body weights were actually higher than control females. Occasional slight but statistically significant reductions in body weight gain, about 5%, were also seen for 8 mg/kg/day-treated females (Tables 5-8, Figures 3-4).

### E. Food Consumption

Food intake was slightly but significantly reduced for male rats receiving 40 mg/kg/day. For females at this dose, slight decreases but more often slight increases were observed. Occasional increases or decreases were also seen for other dose levels, however they were sporadic and were not considered to be treatment-related (Tables 9 and 10).

### F. <u>Hematology</u>

Reductions in hematocrit, hemoglobin, and RBC's were seen throughout the study for rats administered 40 mg/kg/day. Males were in general more affected than females. The observed anemic state was slight and physiologic compensatory responses, i.e., reticulocytosis, macrocytosis, etc., were not in evidence.

Thrombocytosis was seen throughout the study for rats of both sexes administered 40 mg/kg/day. In addition, males receiving 8 mg/kg/day demonstrated elevated platelet counts during Test Weeks 13 and 26. Total white blood cell counts were sporadically increased for the 8 and 40 mg/kg/day-treated

rats, however, a dose-related pattern was not evident. No other hematology parameters were apparently altered by RDX treatment (Tables 11-20, Figures 5 and 6).

### G. Clinical Chemistry

Hypoglycemia was observed throughout the study for rats administered 40 mg/kg/day. Whereas males were more sensitive than females during the first year of the study, the opposite was, in general, seen during the second year. Hypochloesterolemia was seen for high dose (40 mg/kg/day) animals at all time points tested except for Test Week 104. Males were more affected, with females only showing significant reductions in serum cholesterol levels at Test Week 52. Reductions in serum triglyceride levels occurred for males and females administered 40 mg/kg/day. This was seen, in general, at all time points tested with both sexes being similarly affected.

Serum GPT (ALT) levels were sign√ficantly lowered during Test Weeks 26 and 52 for male rat/s/receiving either 8 or 40 mg/kg/day. Females receiving the fatter dose demonstrated this effect only at Test Week 26. For females administered 8 and/or 40 mg/kg/day, reductions in total serum protein were observed. Slight increases in alkaline phosphatase were seen for females receiving 40 mg/kg/day. No other clinical parameters altered by RDX chemistry appeared to bе treatment(Tables 21-30, Figures 7-11).

### H. Ophthalmology

The ophthalmology report is contained in Appendix X (Volume II)\*. Statistically significant increases in the incidence of cataracts were seen during Test Weeks 78 and 104 for females but not males administered 40 mg/kg/day. The incidence of cataracts at this latter evaluation period was significantly higher than that observed for Test Week 78. All other opthamologic abnormalities seen occurred in random fashion, and were not considered to be treatment-related (Table 31).

<sup>\*</sup> Requests for Volume II should be directed to Health Effects Research Division, U.S. Army Medical Bloengineering Research and Development Laboratory, Fort Detrick, Frederick, Maryland, 21701-5012.

### Organ Weights

Relative liver and kidney weights were elevated at Test Weeks 27, 52 and 104 for male and female rats administered 40 mg/kg/day. During Test Week 52, females at the 8 mg/kg/day dose level also showed these relative organ weight increases. Slight increases for relative adrenal weights were seen during Test Week 27 for 40 mg/kg/day males and at Test Weeks 52 and 104 for 40 mg/kg/day females. Statistically significant reductions in testes weights were observed at Test Week 52 for 40 mg/kg/day males. Due to testicular masses for nearly all of the males (including the controls) at the terminal sacrifice (Test Weeks 105 and 106), testes weights were not evaluated at that time (Tables 32-43).

### J. Pathology

The Pathology Report appears in Appendix XI (Volume III)\*. Histopathologic lesions observed for rats administered RDX for up to six months were confined to the 40 mg/kg/day dose level. Splenic extramedullary hematopolesis and spermatic granuloma of the prostate were present in these animals although gross morphologic changes were not in evidence.

By twelve months of RDX treatment, pathologic lesions of urinary bladder, kidneys, testes and spleen were the considered to be treatment-related for 40 mg/kg/day males. Only splenic lesions were seen for females receiving this dose. Urinary system lesions consisted of distended urinary bladder containing dark-red fluid, red-brown fluid in the abdominal cavity, and dark-brown kidneys with renal pelvis dilatation. Corresponding histologic observations were luminal distention and cystitis of the urinary bladder, medullary papillary necrosis. Small testes with germinal cell degeneration, enlarged red-brown seminal vesicles, and enlarged prostate distended with red-brown fluid were also seen. Splenic lesions observed for both males and females consisted of enlarged dark-red spleens with histologic evidence of sinusoidal congestion.

<sup>\*</sup> Requests for Volume III should be directed to Health Effects Research Division, U.S. Army Medical Bioengineering Research and Development Laboratory, Fort Detrick, Frederick, Maryland, 21701-5012.

Urogenital lesions observed for male rats during the 12-24 month treatment period were similar to those described above. Statistically significant treatment-related lesions were confined to the 40 mg/kg/day dose level, except for suppurative inflammation of the prostate observed at 1.5 and 8.0 mg/kg/day. Splenic lesions at the 24 month scheduled sacrifice were seen for both males and females. Males reciving 1.5, 8 or 40 mg/kg/day demonstrated increased levels of a hemosiderin-like pigment whereas extramedullary hematopoiesis was in evidence for 40 mg/kg/day females. Lenticular cataracts were also seen for females at this dose level (Tables 44 and 45).

### IV. DISCUSSION

The administration of RDX to male and female F344 rats resulted in a reduction in the survival rate for both sexes given 40 mg/kg/day. Those animals that died often demonstrated convulsions prior to death. Surviving animals at this dose were hyperreactive to approach and appeared to fight with their cagemates to a greater extent than that seen for animals at lower doses. Histologic evaluation failed to detect treatment-related lesions of the central nervous system.

Anemia consisting of reduced hematocrit, hemoglobin and RBC's was seen for males and females receiving 40 mg/kg/day. The effect was mild and none of the usual physiologic compensatory responses, i.e. reticulocytosis, macrocytosis, etc., were in evidence. The anemia appeared to be peripheral in origin as bone marrow appeared within normal limits and secondary splenic lesions including extramedullary hematopoiesis, sinusoidal congestion, and increased quantities of a hemosiderin-like pigment were seen. Although gross necropsy observations suggested enlarged spleens, organ weight analysis failed to substantiate this.

Liver injury, primarily at 40 mg/kg/day, was evidenced by several observations. Hepatomegaly was seen at 40 mg/kg/day and to a much lesser extent for females at 8 mg/kg/day although histologic changes were not apparent. Hepatotoxicity was also suggested by hypocholesterolemia, hypotriglyceridemia, reduced serum albumin/total protein levels, and possibly by increased alkaline phosphatase activity.

RDX-induced renal damage occurred primarily at the 40 mg/kg/day dose level. Kidney weights were elevated at this dose and possibly for 8 mg/kg/day females. Lesions of this organ included dark brown kidneys with medullary papillary necrosis for males receiving 40 mg/kg/day for longer than six

months. Additional toxic effects on the urogenital system, primarily seen at 40 mg/kg/day, included urinary bladder distention with luminal distention and cystitis, testicular atrophy with germinal cell degeneration and enlarged seminal vesicles. In addition, enlarged prostate accompanied by spermatic granuloma and suppurative inflammation occurred for male rats administered 1.5 mg/kg/day or greater following 24 months of treatment.

Additional toxic effects seen primarily at 40 mg/kg/day included cataracts (females only), hypoglycemia, thrombocytosis and enlarged adrenals although microscopic changes were not seen. RDX was not found to be carcinogenic under the conditions of the present study.

In summary, the major toxic effects observed during the administration of RDX to F344 rats for up to 24 months included anemia with secondary splenic lesions, hepatotoxicity, possible CNS involvement, cataracts and urogenital lesions. Based on the observance of increased levels of a hemosiderin-like pigment deposited in the spleen (a secondary response to a hemolytic-type anemia) and suppurative inflammation of the prostate seen for rats administered 1.5 mg/kg/day or greater, the no-effect level under the conditions of the present study is 0.3 mg/kg/day.

### V. REFERENCES

- 1. Good Laboratory Practice Regulations. Fed. Reg. 21 CFR Part 38. 60013-60020, 1978.
- 2. Levine, B.S., Furedi, E.M., Gordon, D.E., Burns, J.M, and Lish, P.M. Thirteen Week oral (diet) toxicity study of trinitrotoluene (TNT), hexahydro-1,3,5-trinitro-1, 3,5-triazine (RDX) and TNT/RDX mixtures in the Fischer 344 rat. Final Report No. L6116/L6121, Study No. 1.

TABLES

Table 1

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGERICITY STUDY OF HEXANYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX) IN THE FISCHER RAT MALE ACTUAL DOSES RECEIVED (mg/kg/day) [MEAN AND STANDARD DEVIATION (n)\*]

TEST WEEK	0.3 mg/kg/day	1.5 mg/kg/day	8.0 mg/kg/day	40.0 mg/kg/day
-	0.317 ± 0.034 (75)	1.704 ± 0.175 ( 75)	8.533 ± 0.885 (75)	38.711 ± 4.029 (75)
7	0.276 ± 0.027 (75)	1.567 ± 0.132 (75)	$8.272 \pm 0.844$ (75)	38.353 ± 3.334 (75)
၈	0.346 ± 0.036 (75)	1.498 ± 0.124 (75)	8.064 ± 0.740 (75)	43.231 ± 3.622 (75)
4	0.306 ± 0.026 (75)	1.420 ± 0.112 (75)	$7.827 \pm 0.714$ (75)	38.118 ± 3.111 (75)
ហ	0.291 ± 0.022 (75)	1.522 ± 0.108 (75)	8.004 ± 0.631 (75)	42.098 ± 3.927 ( 75)
ø	0.262 ± 0.019 (75)	1.468 ± 0.103 (75)	7.860 ± 0.630 (75)	39.065 ± 3.093 (75)
7	$0.247 \pm 0.017 (75)$	1.371 ± 0.100 (75)	7.913 ± 0.673 (75)	41,149 ± 3,125 (75)
<b>c</b> o	0.286 ± 0.020 (75)	1.464 ± 0.100 (75)	7.816 ± 0.761 (75)	37.947 ± 2.726 (75)
ø.	0.281 ± 0.019 (75)	1.497 ± 0.104 (75)	$7.564 \pm 0.619 (75)$	38.398 ± 2.589 (75)
5	0.321 ± 0.020 ( 75)	1.451 ± 0.099 (75)	$7.992 \pm 0.634 (75)$	38.590 ± 2.721 (75)
=	0.306 ± 0.026 (75)	1.509 ± 0.100 (75)	7.861 ± 0.623 (75)	40.387 ± 2.770 (75)
12	$0.299 \pm 0.019 (75)$	1.465 ± 0.107 (75)	8.026 ± 0.675 (75)	40.095 ± 2.779 ( 75)
13	0.300 ± 0.021 (75)	1.493 ± 0.119 (75)	8.156 ± 0.746 (75)	41.038 ± 3.510 ( 75)
<u> </u>	0.296 ± 0.017 (75)	1.518 ± 0.100 (75)	8.227 ± 0.679 (75)	40.649 ± 3.418 (75)
16	0.280 ± 0.019 (75)	1.451 ± 0.107 (75)	7.526 ± 0.664 (75)	38.558 ± 3.112 (75)

--- = NO AVAILABLE DATA n = number of animals

1

Table 1 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX) IN THE FISCHER RAT MALE ACTUAL DOSES RECEIVED (mg/kg/day)
[MEAN AND STANDARD DEVIATION (n)\*]

		MALE ACTUAL DOSES RECEIVED (mg/kg/day) [MEAN AND STANDARD DEVIATION (n)*]	(mg/kg/day)   ION (n)*]	
TEST WEEK	0.3 mg/kg/kay	1 5 mg/kg/day	8.0 mg/kg/kay	40.0 mg/kg/day
81	0.308 ± 0.018 (75)	1.471 ± 0.088 (75)	7.882 ± 0.571 (75)	39,778 ± 3,938 (75)
20	0.306 ± 0.019 (75)	1.568 ± 0.103 (75)	8.293 ± 0.779 (75)	40.801 ± 4.924 ( 74)
22	0.304 ± 0.020 (75)	1.433 ± 0.089 (75)	7.634 ± 0.626 (75)	40 719 ± 7.065 ( 72)
24	0.302 ± 0.019 (75)	1.462 ± 0.121 (75)	7.922 ± 0.615 (75)	44,050 ± 6,130 (72)
26	0.282 ± 0.019 (72)	1.377 ± 0.122 (71)	7,404 ± 0.634 (72)	38,337 ± 5,288 ( 68)
28	0.283 ± 0.056 ( 65)	1.516 ± 0.104 ( 65)	8.063 ± 0.729 ( 65)	37,500 ± 6,297 ( 60)
30	0.376 ± 0.027 ( 65)	1.541 ± 0.105 ( 65)	8.396 ± 0.676 (65)	46.045 ± 7 426 ( 59)
32	0.286 ± 0.019 ( 65)	1.478 ± 0.096 ( 64)	7,736 ± 0.602 ( 65)	37,685 ± 3,654 ( 59)
34	0.278 ± 0.021 ( 65)	1.510 ± 0.108 ( 64)	8.253 ± 0.688 ( 65)	36.558 ± 2.954 ( 57)
36	0.314 ± 0.022 ( 65)	1.475 ± 0.102 ( 64)	7.896 ± 0.647 ( 65)	39,795 ± 4,744 ( 57)
38	0.317 ± 0.023 ( 65)	1.486 ± 0.110 ( 64)	8, 155 ± 0,662 ( 65)	42.212 ± 5.396 ( 57)
40	0.267 ± 0.024 ( 65)	1.415 ± 0.101 ( 64)	7,673 ± 0,669 ( 62)	41,258 ± 7,668 ( 54)
42	0.317 ± 0.024 ( 65)	1.589 ± 0.128 ( 64)	8,436 ± 0.855 ( 65)	38 594 ± 7.413 ( 54)
44	0.263 ± 0.018 ( 65)	1.389 ± 0.096 ( 64)	7,406 ± 0,655 ( 65)	36,873 ± 3,805 (52)
46	0.302 ± 0.023 ( 65)	1.544 ± 0.118 ( 64)	8.075 ± 0.754 ( 65)	38,905 ± 5,915 (49)

--- = NO AVAILABLE DATA

Table 1 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGENICITY STUDY OF NEXAHYDRO-1,3,5-TRIAZINE (RDX) IN THE FISCHER RAT MEXAHYDRO-1,3,5-TRIAZINE (RDX) IN THE FISCHER RAT MALE ACTUAL DOSES RECEIVED (mg/kg/day)
MALE ACTUAL DOSES RECEIVED (mg/kg/day)
MALE ACTUAL DOSES RECEIVED (mg/kg/day)

		MALE ACTUAL DOSES RECEIVED (mg/kg/day) {MEAN AND STANDARD DEVIATION {n}*]	/EU (mg/kg/day) /IATION (n)*]	
TEST WEEK	0.3 mg/kg/day	1.5 mg/kg/day	8.0 0.8/mg/kg/	40.0 mg/kg/day
84	0.300 ± 0.023 ( 65)	$1.487 \pm 0.117 (64)$	8.355 ± 0.767 ( 65)	42.702 ± 3.998 (45)
50	0.294 ± 0.018 ( 64)	1.443 ± 0.178 ( 64)	7.730 ± 0.683 ( 65)	40.467 ± 5.446 ( 44)
52	0.304 ± 0.024 ( 59)	1.523 ± 0.124 ( 56)	8.441 ± 0.921 ( 58)	42.520 ± 6.155 ( 36)
54	0.313 ± 0.022 ( 55)	1.531 ± 0.125 ( 53)	8.178 ± 0.753 ( 55)	40.823 ± 5.015 ( 32)
56	0.321 ± 0.040 ( 55)	1.524 ± 0.141 ( 53)	7.555 ± 0.675 ( 55)	36.224 ± 6.668 ( 32)
58	0.300 ± 0.029 ( 55)	1,358 ± 0,139 (53)	8.012 ± 0.926 (55)	39.549 ± 4.825 ( 31)
09	0.308 ± 0.031 ( 55)	1.525 ± 0.182 ( 52)	7.909 ± 0.708 ( 55)	40.418 ± 4.210 ( 30)
62	0.285 ± 0.042 ( 54)	1.285 ± 0.256 ( 52)	7.367 ± 1.150 ( 55)	36.958 ± 9.887 ( 28)
64	0.289 ± 0.065 ( 54)	1.691 ± 0.249 ( 52)	8.199 ± 1.385 (55)	36.251 ± 7.008 ( 23)
99	0.327 ± 0.030 ( 54)	1.409 ± 0.205 ( 51)	8.802 ± 0.864 ( 55)	49.018 ± 5.713 ( 23)
68	0.266 ± 0.028 ( 54)	1.446 ± 0.172 ( 50)	7.423 ± 0.753 ( 55)	36.734 ± 4.439 ( 23)
02	0.309 ± 0.029 ( 53)	1.473 ± 0.140 ( 48)	7.998 ± 0.749 ( 54)	39.951 ± 6.521 ( 23)
72	0.295 ± 0.032 ( 53)	1.423 ± 0.148 ( 48)	7.685 ± 0.901 ( 53)	39.466 ± 4.752 ( 20)
74	0.298 ± 0.028 ( 53)	1,503 ± 0,180 (48)	8.701 ± 0.966 (53)	39.816 ± 7.567 ( 20)
76	0.278 ± 0.024 ( 52)	1.384 ± 0.126 ( 47)	7.417 ± 0.782 ( 53)	39.136 ± 6.109 (19)

--- = NO AVAILABLE DATA

Table 1 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1,3,5-TRIAITRO-1,3,5-TRIAZINE (RDX) IN THE FISCHER RAT MALE ACTUAL DOSES RECEIVED (mg/kg/dav) [MEAN AND STANDARD DEVIATION (n)\*]

1.464 ± 0.174 (43) 7.917 ± 0.655 (50) 40.925 ±10.223 (17.464 ± 0.256 (47)) 8.602 ± 1.014 (53) 43.042 ± 5.381 (17.381 ± 0.237 (46)) 7.918 ± 1.064 (53) 37.632 ± 7.817 (17.519 ± 0.177 (44)) 7.625 ± 0.834 (52) 35.935 ±10.177 (17.511 ± 0.207 (44)) 7.927 ± 0.844 (51) 47.954 ± 4.782 (17.501 ± 0.252 (44)) 7.927 ± 0.844 (51) 47.954 ± 4.782 (17.501 ± 0.233 (43)) 7.731 ± 0.973 (49) 38.332 ± 3.160 (17.473 ± 0.234 (42)) 8.415 ± 0.980 (49) 39.567 ± 2.869 (17.473 ± 0.319 (39)) 7.016 ± 1.140 (47) 40.627 ± 5.406 (17.437 ± 0.329 (35)) 7.016 ± 1.719 (41) 46.615 ± 12.251 (17.419 ± 0.329 (34)) 8.674 ± 1.774 (38) 35.051 ± 3.659 (17.419 ± 0.293 (31)) 7.857 ± 1.297 (35) 37.689 ± 8.722 (37) 1.409 ± 0.440 (27) 8.111 ± 1.830 (29) 29.468 ±15.263 (31)	EST	0.3 mg/kg/day	1.5 mg/kg/day	8 O mg/kg/day	40.0 mg/kg/day
0.237 ± 0.032 ( 51)	_	0.304 ± 0.037 ( 49)	1.464 ± 0.174 ( 43)	7.917 ± 0.655 ( 50)	40.925 ±10.223 ( 15)
0.274 ± 0.028 ( 51) 1.381 ± 0.237 ( 46) 7.625 ± 0.834 ( 52) 37.935 ± 7.817 ( 0.274 ± 0.034 ( 51) 1.519 ± 0.177 ( 44) 7.625 ± 0.834 ( 52) 35.935 ± 10.177 ( 0.311 ± 0.037 ( 50) 1.531 ± 0.207 ( 44) 7.927 ± 0.844 ( 51) 47.954 ± 4.782 ( 0.301 ± 0.048 ( 48) 1.501 ± 0.252 ( 44) 7.947 ± 0.853 ( 51) 42.818 ± 3.892 ( 0.321 ± 0.034 ( 45) 1.473 ± 0.233 ( 43) 7.731 ± 0.973 ( 49) 38.332 ± 3.160 ( 0.294 ± 0.035 ( 45) 1.546 ± 0.224 ( 42) 8.415 ± 0.980 ( 49) 39.567 ± 2.869 ( 0.295 ± 0.039 ( 45) 1.412 ± 0.182 ( 39) 7.016 ± 1.140 ( 47) 40.627 ± 5.406 ( 0.276 ± 0.052 ( 42) 1.444 ± 0.326 ( 35) 7.952 ± 1.719 ( 41) 46.615 ± 12.251 ( 0.309 ± 0.054 ( 39) 1.419 ± 0.329 ( 34) 8.674 ± 1.774 ( 38) 35.051 ± 3.659 ( 0.254 ± 0.054 ( 39) 1.419 ± 0.293 ( 31) 7.857 ± 1.297 ( 35) 37.689 ± 8.722 ( 0.254 ± 0.058 ( 36) 1.409 ± 0.440 ( 27) 8.111 ± 1.830 ( 29) 29.468 ± 15.263 ( 36)	0	0.327 ± 0.032 (51)	1.464 ± 0.256 ( 47)	8.602 ± 1.014 ( 53)	43.042 ± 5.381 ( 17)
0.274 ± 0.034 ( 51) 1.519 ± 0.177 ( 44) 7.625 ± 0.834 ( 52) 35.935 ± 10.177 ( 14) 0.311 ± 0.037 ( 50) 1.531 ± 0.207 ( 44) 7.927 ± 0.844 ( 51) 47.954 ± 4.782 ( 14) 0.301 ± 0.048 ( 48) 1.501 ± 0.252 ( 44) 7.947 ± 0.853 ( 51) 42.818 ± 3.892 ( 14) 0.321 ± 0.034 ( 45) 1.546 ± 0.224 ( 42) 8.415 ± 0.973 ( 49) 39.352 ± 3.160 ( 14) 0.285 ± 0.035 ( 45) 1.546 ± 0.224 ( 42) 8.415 ± 0.980 ( 49) 39.567 ± 2.869 ( 14) 0.276 ± 0.042 ( 44) 1.437 ± 0.319 ( 38) 7.016 ± 1.140 ( 47) 40.627 ± 5.406 ( 14) 0.290 ± 0.052 ( 42) 1.444 ± 0.326 ( 35) 7.952 ± 1.719 ( 41) 46.615 ± 12.251 ( 14) 1.517 ± 0.329 ( 34) 8.674 ± 1.774 ( 38) 35.051 ± 3.659 ( 14) 0.309 ± 0.054 ( 39) 1.419 ± 0.293 ( 31) 7.857 ± 1.297 ( 35) 37.689 ± 8.722 ( 0.254 ± 0.058 ( 36) 1.409 ± 0.440 ( 27) 8.111 ± 1.830 ( 29) 29.468 ± 15.263 ( 31)	8	0.282 ± 0.028 ( 51)	1.381 ± 0.237 ( 46)	7.918 ± 1.064 ( 53)	37.632 ± 7.817 ( 16)
0.301 ± 0.037 ( 50) 1.531 ± 0.207 ( 44) 7.927 ± 0.844 ( 51) 47.954 ± 4.782 ( 0.301 ± 0.048 ( 48) 1.501 ± 0.252 ( 44) 7.947 ± 0.853 ( 51) 42.818 ± 3.892 ( 0.321 ± 0.034 ( 45) 1.473 ± 0.233 ( 43) 7.731 ± 0.973 ( 49) 38.332 ± 3.160 ( 0.294 ± 0.035 ( 45) 1.546 ± 0.224 ( 42) 8.415 ± 0.980 ( 49) 39.567 ± 2.869 ( 0.285 ± 0.039 ( 45) 1.412 ± 0.182 ( 39) 7.016 ± 1.140 ( 47) 40.627 ± 5.406 ( 0.295 ± 0.042 ( 44) 1.437 ± 0.319 ( 38) 7.658 ± 1.787 ( 45) 36.959 ± 6.500 ( 0.296 ± 0.052 ( 42) 1.444 ± 0.326 ( 35) 7.952 ± 1.719 ( 41) 46.615 ± 12.251 ( 0.298 ± 0.055 ( 41) 1.517 ± 0.293 ( 34) 8.674 ± 1.774 ( 38) 35.051 ± 3.659 ( 0.254 ± 0.058 ( 36) 1.409 ± 0.440 ( 27) 8.111 ± 1.830 ( 29) 29.468 ± 15.263 (	4	$\overline{}$	1.519 ± 0.177 ( 44)	7.625 ± 0.834 ( 52)	35.935 ±10.177 (-12)
0.301 ± 0.048 (48) 1.501 ± 0.252 (44) 7.947 ± 0.853 (51) 42.818 ± 3.892 ( 0.321 ± 0.034 (45) 1.473 ± 0.233 (43) 7.731 ± 0.973 (49) 38.332 ± 3.160 ( 0.294 ± 0.035 (45) 1.546 ± 0.224 (42) 8.415 ± 0.980 (49) 39.567 ± 2.869 ( 0.285 ± 0.039 (45) 1.412 ± 0.182 (39) 7.016 ± 1.140 (47) 40.627 ± 5.406 ( 0.276 ± 0.042 (44) 1.437 ± 0.319 (38) 7.658 ± 1.787 (45) 36.959 ± 6.500 ( 0.290 ± 0.052 (42) 1.444 ± 0.326 (35) 7.952 ± 1.719 (41) 46.615 ± 12.251 ( 0.298 ± 0.055 (41) 1.517 ± 0.329 (34) 8.674 ± 1.774 (38) 35.051 ± 3.659 ( 0.309 ± 0.054 (39) 1.419 ± 0.293 (31) 7.857 ± 1.297 (35) 37.689 ± 8.722 ( 0.254 ± 0.058 (36) 1.409 ± 0.440 (27) 8.111 ± 1.830 (29) 29.468 ± 15.263 (	9	0.311 ± 0.037 ( 50)	1.531 ± 0.207 ( 44)	$7.927 \pm 0.844 (51)$	47.954 ± 4.782 ( 10)
0.321 ± 0.034 (45) 1.473 ± 0.233 (43) 7.731 ± 0.973 (49) 38.332 ± 3.160 ( 0.294 ± 0.035 (45) 1.546 ± 0.224 (42) 8.415 ± 0.980 (49) 39.567 ± 2.869 ( 0.285 ± 0.039 (45) 1.412 ± 0.182 (39) 7.016 ± 1.140 (47) 40.627 ± 5.406 ( 0.276 ± 0.042 (44) 1.437 ± 0.319 (38) 7.658 ± 1.787 (45) 36.959 ± 6.500 ( 0.290 ± 0.052 (42) 1.444 ± 0.326 (35) 7.952 ± 1.719 (41) 46.615 ± 12.251 ( 0.298 ± 0.055 (41) 1.517 ± 0.329 (34) 8.674 ± 1.774 (38) 35.051 ± 3.659 ( 0.309 ± 0.054 (39) 1.419 ± 0.293 (31) 7.857 ± 1.297 (35) 37.689 ± 8.722 ( 0.254 ± 0.058 (36) 1.409 ± 0.440 (27) 8.111 ± 1.830 (29) 29.468 ± 15.263 (	<b>60</b>	0.301 ± 0.048 (48)	1.501 ± 0.252 ( 44)	$7.947 \pm 0.853$ (51)	42.818 ± 3.892 ( 9)
0.285 ± 0.035 (45) 1.546 ± 0.224 (42) 8.415 ± 0.980 (49) 39.567 ± 2.869 ( 0.285 ± 0.039 (45) 1.412 ± 0.182 (39) 7.016 ± 1.140 (47) 40.627 ± 5.406 ( 0.276 ± 0.042 (44) 1.437 ± 0.319 (38) 7.658 ± 1.787 (45) 36.959 ± 6.500 ( 0.290 ± 0.052 (42) 1.444 ± 0.326 (35) 7.952 ± 1.719 (41) 46.615 ± 12.251 ( 0.298 ± 0.055 (41) 1.517 ± 0.329 (34) 8.674 ± 1.774 (38) 35.051 ± 3.659 ( 0.309 ± 0.054 (39) 1.419 ± 0.293 (31) 7.857 ± 1.297 (35) 37.689 ± 8.722 ( 0.254 ± 0.058 (36) 1.409 ± 0.440 (27) 8.111 ± 1.830 (29) 29.468 ± 15.263 (	0	$\overline{}$	1.473 ± 0.233 ( 43)	$7.731 \pm 0.973$ (49)	38,332 ± 3,160 (-9)
0.285 ± 0.039 (45) 1.412 ± 0.182 (39) 7.016 ± 1.140 (47) 40.627 ± 5.406 ( 0.276 ± 0.042 (44) 1.437 ± 0.319 (38) 7.658 ± 1.787 (45) 36.959 ± 6.500 ( 0.290 ± 0.052 (42) 1.444 ± 0.326 (35) 7.952 ± 1.719 (41) 46.615 ± 12.251 ( 0.298 ± 0.055 (41) 1.517 ± 0.329 (34) 8.674 ± 1.774 (38) 35.051 ± 3.659 ( 0.309 ± 0.054 (39) 1.419 ± 0.293 (31) 7.857 ± 1.297 (35) 37.689 ± 8.722 ( 0.254 ± 0.058 (36) 1.409 ± 0.440 (27) 8.111 ± 1.830 (29) 29.468 ± 15.263 (	2	0.294 ± 0.035 (45)	1.546 ± 0.224 ( 42)	8.415 ± 0.980 (49)	39.567 ± 2.869 ( 9)
0.276 ± 0.042 (44) 1.437 ± 0.319 (38) 7.658 ± 1.787 (45) 36.959 ± 6.500 ( 0.290 ± 0.052 (42) 1.444 ± 0.326 (35) 7.952 ± 1.719 (41) 46.615 ±12.251 ( 0.298 ± 0.055 (41) 1.517 ± 0.329 (34) 8.674 ± 1.774 (38) 35.051 ± 3.659 ( 0.309 ± 0.054 (39) 1.419 ± 0.293 (31) 7.857 ± 1.297 (35) 37.689 ± 8.722 ( 0.254 ± 0.058 (36) 1.409 ± 0.440 (27) 8.111 ± 1.830 (29) 29.468 ±15.263 (	4	0.285 ± 0.039 (45)	$1.412 \pm 0.182 (39)$	7.016 ± 1.140 ( 47)	40.627 ± 5.406 ( 9)
0.290 ± 0.052 ( 42) 1.444 ± 0.326 ( 35) 7.952 ± 1.719 ( 41) 46.615 ±12.251 ( 0.298 ± 0.055 ( 41) 1.517 ± 0.329 ( 34) 8.674 ± 1.774 ( 38) 35.051 ± 3.659 ( 0.309 ± 0.054 ( 39) 1.419 ± 0.293 ( 31) 7.857 ± 1.297 ( 35) 37.689 ± 8.722 ( 0.254 ± 0.058 ( 36) 1.409 ± 0.440 ( 27) 8.111 ± 1.830 ( 29) 29.468 ±15.263 (	9	0.276 ± 0.042 ( 44)	1,437 ± 0,319 (38)	7.658 ± 1.787 (45)	(6 ) 009°9 ∓ 636°9€
0.298 ± 0.055 (41) 1.517 ± 0.329 (34) 8.674 ± 1.774 (38) 35.051 ± 3.659 ( 0.309 ± 0.054 (39) 1.419 ± 0.293 (31) 7.857 ± 1.297 (35) 37.689 ± 8.722 ( 0.254 ± 0.058 (36) 1.409 ± 0.440 (27) 8.111 ± 1.830 (29) 29.468 ±15.263 (	80	0.290 ± 0.052 ( 42)	1.444 ± 0.326 (35)	7.952 ± 1.719 ( 41)	46.615 ±12.251 ( 8)
0.309 ± 0.054 ( 39) 1.419 ± 0.293 ( 31) 7.857 ± 1.297 ( 35) 37.689 ± 8.722 ( 0.254 ± 0.058 ( 36) 1.409 ± 0.440 ( 27) 8.111 ± 1.830 ( 29) 29.468 ±15.263 (	Q	0.298 ± 0.055 (41)	1.517 ± 0.329 ( 34)	8.674 ± 1.774 ( 38)	35.051 ± 3.659 ( 6)
1,409 ± 0,440 (27) 8,111 ± 1,830 (29) 29,468 ±15,263 (	9	0.309 ± 0.054 (39)	1.419 ± 0.293 ( 31)	7.857 ± 1.297 ( 35)	37.689 ± 8.722 ( 6)
	4	0.254 ± 0.058 (36)	1.409 ± 0.440 ( 27)	8.111 ± 1.830 ( 29)	29,468 ±15,263 ( 3)

# OVERALL MEAN AND STANDARD DEVIATION FOR 104 WEEKS

	€.0	2.5	0.8	40.0
SEX	mg/kg/day	mg/kg/day	mg/kg/day	mg/kg/day
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
MALES	0.301	1.487	7.975	39.810
	0.03	0.07	0.37	3.16

ASSESSMENT BUDGESTON TO STATE

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF

	HEXAHYDRO-1,3,E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT FEMALE ACTUAL DOSES RECEIVED (mg/kg/day) [MEAN AND STANDARO DEVIATION (n)]	INE(RDX) IN THE FISCHEI IVED (mg/kg/day) /IATION (n)	2 RAT
TEST WEEK	0.3 mg/kg/day	1.5 mg/kg/day	8.0 mg/kg/day	40.0 mg/kg/day
-	0.295 ± 0.027 (75)	1.554 ± 0.099 (75)	8.492 ± 0.673 (75)	38,319 ± 3,954 (75)
6	0.281 ± 0.039 (75)	1.384 ± 0.250 ( 75)	7.952 ± 0.539 (75)	39.412 ± 2.885 (75)
၉	0.334 ± 0.024 (75)	1.510 ± 0.105 ( 75)	7.775 ± 0.434 (75)	44.019 ± 2.886 (75)
4	0.311 ± 0.023 (75)	1.425 ± 0.204 ( 75)	7.697 ± 0.463 (75)	34.733 ± 2.184 (75)
ហ	0.302 ± 0.024 (75)	1.458 ± 0.133 (75)	7.997 ± 0.537 (75)	42.855 ± 2.960 (75)
9	0.278 ± 0.018 (75)	1.540 ± 0.096 (75)	7.768 ± 0.458 (75)	35.660 ± 2.145 (75)
7	0.269 ± 0.029 (75)	1.318 ± 0.078 ( 75)	7.430 ± 0.487 (75)	38.777 ± 2.571 ( 75)
€0	0.239 ± 0.013 (75)	1.400 ± 0.066 (75)	7.357 ± 0.465 (75)	37.068 ± 2.494 (75)
G	0.303 ± 0.019 (75)	1.604 ± 0.547 (75)	7.786 ± 0.432 (75)	39.165 ± 3.084 (75)
ō	0.298 ± 0.018 (75)	1.561 ± 0.083 (75)	8.102 ± 0.477 (75)	41.339 ± 3.205 (75)
=	0.307 ± 0.037 (75)	1.549 ± 0.075 ( 75)	8.866 ± 0.554 (75)	43.949 ± 4.141 (75)
12	0.280 ± 0.019 (75)	1.462 ± 0.082 (75)	7.725 ± 0.466 (75)	39.945 ± 4.928 (75)
13	0.286 ± 0.019 (75)	1.493 ± 0.100 ( 75)	7.803 ± 0.534 (75)	40.661 ± 3.016 (75)
14	0.355 ± 0.023 (75)	1.657 ± 0.083 (75)	8.518 ± 0.531 (75)	40.762 ± 2.759 ( 75)
16	0.282 ± 0.017 (75)	1.436 ± 0.080 (75)	7.777 ± 0.489 (75)	41.556 ± 2.921 (75)

--- = NO AVAILABLE DATA

Table 2 (continued)

	TWENTY FOUR N HEXAHYDRO 1,31	TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINDGFNICITY STUDY OF HEXAHYDRO 1,3,5 TRINITRO 1,3,5 TRIAZINE(RDX) IN THE FISCHER RAFEXAHYDRO 1,3,5 TRINITRO 1,3,5 TRIAZINE (RDX) IN THE FISCHER RAFEXAHYDRO 1,3,5 TRINITRO (MG/KG/GGY) [MEAN AND STANDARD DEVIATION (M)]	(CARCINOGENICITY STUDY INCERDS) IN THE FISCHEI VED (mg/kg/day)	01 2 RAT
TEST WEEK	0 3 Mg/kg/kay	1 5 mg/kg/day	8 O mg/kg/day	40 0 mg/yg/day
<b>48</b>	0.254 ± 0.015 ( 75)	1,460 ± 0.087 (75)	7.666 ± 0.475 (75)	37,796 ± 2,640 (75)
20	0.308 ± 0.018 (75)	1,590 ± 0.080 (75)	8.234 ± 0.552 (75)	41,850 ± 3,113 (75)
22	0.317 ± 0.018 ( 75)	1,444 ± 0.080 ( 75)	7.956 ± 0.487 (75)	41,322 ± 4,638 (75)
24	0.318 ± 0.020 (75)	1,445 ± 0.109 (72)	8.077 ± 0.501 (75)	43.640 ± 5.016 ( 75)
26	0.293 ± 0.021 (72)	1,381 ± 0.092 (72)	7,771 ± 0.503 ( 71)	37,549 ± 3,917 (72)
28	0.280 ± 0.051 ( 65)	1,598 ± 0.095 ( 65)	7.746 ± 0.491 ( 65)	38.916 ± 4.568 ( 65)
30	0.298 ± 0.025 ( 65)	1,526 ± 0,109 ( 65)	8,453 ± 0.544 (65)	41,385 ± 4,706 ( 64)
32	0.288 ± 0.026 ( 65)	1.440 ± 0.089 ( 65)	7,760 ± 0.462 ( 65)	41,663 ± 6,398 ( 63)
34	$0.294 \pm 0.021 (65)$	1.528 ± 0.091 ( 65)	8.033 ± 0.755 (65)	38,301 ± 4,430 ( 62)
36	0.273 ± 0.021 ( 65)	1.486 ± 0.109 (65)	7.815 ± 0.601 ( 65)	38.181 ± 4.305 ( 62)
38	0.343 ± 0.024 ( 65)	1.496 ± 0.107 ( 65)	$8.307 \pm 0.642$ (65)	41.339 ± 3.972 ( 61)
40	0.284 ± 0.026 ( 65)	1.387 ± 0.146 (65)	7.448 ± 0.565 ( 65)	40.953 ± 3.997 ( 60)
42	0.296 ± 0.024 ( 65)	1,659 ± 0,101 ( 65)	8.557 ± 0.722 ( 65)	41,764 ± 4,595 ( 60)
44	0.288 ± 0.022 ( 65)	1.385 ± 0.091 (65)	7,734 ± 0.634 ( 65)	37.826 ± 3.417 ( 59)
46	0.288 ± 0.024 ( 65)	1,504 ± 0,101 ( 65)	7,661 ± 0.575 ( 65)	37.983 ± 2.825 (59)

= NO AVAILABLE DATA

Table 2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT FEMALE ACTUAL DOSES RECEIVED (mg/kg/day) [MEAN AND STANDARD DEVIATION (n)]

	MEXANYUKU-1,3,5	MEXAHTUKU-1,3,5-IKINIKU-1,3,5-IKIAZINE(KDX) IN INC FEMALE ACTUAL DOSES RECEIVED (mg/kg/day) [MEAN AND STANDARD DEVIATION (n)]	INECKTON IN THE FISCULE AND INCOME.	
FEST	0.3 mg/kg/day	t.5 mg/kg/day	8.0 mg/kg/day	40.0 mg/kg/day
48	0.283 ± 0.022 ( 65)	1.541 ± 0.119 ( 65)	8.283 ± 0.633 ( 65)	41,148 ± 3.073 ( 59)
50	0.288 ± 0.022 ( 65)	1.508 ± 0.094 ( 65)	8.231 ± 0.747 ( 65)	41.091 ± 3.192 ( 58)
52	0.299 ± 0.043 ( 58)	1.429 ± 0.096 (59)	7.937 ± 0.592 ( 58)	40,441 ± 4,485 (53)
54	$0.299 \pm 0.022$ (55)	1.600 ± 0.118 ( 54)	8, 122 ± 0,771 ( 55)	40,112 ± 4,497 (49)
56	0.288 ± 0.027 ( 55)	1.394 ± 0.137 ( 54)	7.838 ± 0 675 ( 55)	38,383 ± 3,260 (48)
58	$0.289 \pm 0.027$ ( 55)	1.517 ± 0.131 ( 53)	8,191 ± 0.835 (55)	38.264 ± 3.717 ( 48)
09	0.291 ± 0.034 ( 55)	1,535 ± 0,136 (53)	8.097 ± 0.696 (55)	39,999 ± 5,536 (48)
62	$0.279 \pm 0.031$ (55)	1.268 ± 0.197 ( 57)	7,462 ± 0,829 (55)	37,265 ± 4,839 ( 47)
64	0.270 ± 0.043 (55)	1.462 ± 0.226 ( 53)	7,727 ± 1,278 ( 54)	39.877 ± 6.729 ( 47)
99	$0.357 \pm 0.035$ ( 54)	1,701 ± 0,142 ( 51)	9.302 ± 0.969 ( 54)	47.052 ± 5.036 ( 47)
89	0.292 ± 0.032 ( 55)	1,352 ± 0,127 ( 52)	7,589 ± 0,916 ( 54)	35.654 ± 3.439 ( 47)
70	0.298 ± 0.027 ( 54)	1,487 ± 0,157 ( 52)	7,754 ± 0,791 ( 54)	39.236 ± 3.652 ( 47)
72	$0.284 \pm 0.032$ ( 54)	1,362 ± 0,135 ( 52)	7.322 ± 0.782 ( 54)	38.948 ± 5.048 ( 47)
74	0.303 ± 0.043 (54)	1,453 ± 0,160 ( 52)	8.156 ± 0.906 ( 54)	39.597 ± 3.279 ( 47)
16	0.292 ± 0.025 ( 54)	1,422 ± 0.119 ( 52)	7,454 ± 0,767 ( 54)	35.558 ± 3.434 ( 47)

Table 2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAI
FEMALE ACTUAL DOSES RECEIVED (mg/kg/day)
[MEAN AND STANDARD DEVIATION (n)]

		[MEAN AND STANDARD DEVIATION (n)]	/IATION (n)	
TEST WEEK	0.3 mg/kg/day	1.5 mg/kg/day	8 O mg/kg/day	40 0 mg/kg/day
78	0.306 ± 0.027 ( 51)	1.646 ± 0.207 ( 49)	8 561 ± 1.094 ( 50)	43,903 ± 4,597 ( 44)
80	0.320 ± 0.030 ( 54)	1.506 ± 0.131 ( 51)	8.246 ± 0.823 ( 54)	42.887 ± 4.423 (46)
82	$0.259 \pm 0.024 (54)$	1.351 ± 0.137 ( 50)	$7.259 \pm 0.952 (-54)$	36,792 ± 3,379 (46)
84	$0.287 \pm 0.027 (53)$	1,428 ± 0,135 (49)	7,741 ± 1,125 ( 53)	36,051 ± 4,065 (46)
86	0.323 ± 0.037 ( 52)	1.595 ± 0.169 (49)	7.993 ± 1.129 ( 53)	39,253 ± 5,216 (45)
88	0.294 ± 0.031 ( 52)	1.484 ± 0.137 ( 49)	8,510 ± 1,393 (-52)	42.217 ± 4.282 ( 44)
06	0.305 ± 0.035 ( 52)	1.557 ± 0.196 (49)	8.021 ± 1,113 ( 50)	39.607 ± 3.342 ( 43)
92	0.304 ± 0.033 ( 51)	1.432 ± 0.169 (49)	8.226 ± 1.238 ( 50)	38,989 ± 5,387 ( 42)
94	0.278 ± 0.045 ( 51)	$1.419 \pm 0.193 (48)$	7.877 ± 1.222 ( 48)	38,925 ± 7,142 ( 40)
96	$0.329 \pm 0.040 (51)$	1.503 ± 0.213 ( 47)	7.634 ± 1.303 ( 47)	41.624 ±15.337 ( 38)
86	$0.290 \pm 0.041 (50)$	1.511 ± 0.200 ( 46)	7.895 ± 1.428 ( 47)	38,405 ± 9,237 ( 35)
100	0.298 ± 0.036 ( 47)	1.437 ± 0.305 (45)	8.880 ± 1.797 ( 46)	39.571 ± 6.538 ( 34)
102	$0.292 \pm 0.044 (48)$	1.535 ± 0.298 ( 44)	7.811 ± 1.586 ( 44)	39,030 ± 5,212 ( 31)
104	0.285 ± 0.053 (42)	1.451 ± 0.254 ( 39)	7.057 ± 1.283 ( 39)	39,195 ± 6,671 ( 26)

OVERALL MEAN AND STANDARD DEVIATION FOR 104 WEEKS

TWENTY-FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE IN THE FISCHER 344 RAT

TEST DIET CONCENTRATIONS OF RDX

Test	Dose		Intended %	Actual %	A x 100
2007	(hep/ba/bw)	Sex	(1)	€	ı⊷
1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 :	1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
~		Σ			29
C¥		Σ			46
13		ie.			104
13		iL.	0.0137	0.01230	90
30		Ŀ			66
30		<b>L</b> L		0.08530	108
43		Σ	0.0007		40
£		Σ	0.0190		106
32		Σ			102
32		Σ	0 0040		101
38		iŁ		0 01650	102
38		iŁ			102
64		<b>iL</b>			100
44		<b>i</b> L			66
20		Σ			68
20		Σ			94
76		Σ			105
76		Σ	0.0892	0.08410	94
76	40 0	Σ	0 0892	0.07880	88 (94)*
85		Ŀ	0.0165		92
82		Ŀ	9000 0		103
85		ŭ.	9000 0	0.00054	*(28) 06
88		ů.	0. 0036	0,00328	91
88		·L	0, 0881	0, 09220	105
94		Σ	2020 O	0.02020	100
94		Σ	9000	86000 0	122
100		Σ	0 0041	0,00355	87
100		Σ	0 0704	0.0800	96
103		L./E	0000 0	00000	100 **
103		M/F			100
104		is.	0 0007	8	94
104		<b>L</b>	£ 0164		66
MEAN + S.D					97 0 + 9.8

The values in paretheses repeat the ratio of the actual concentrations for the immediate and subsequent one week sampling periods Test diets were held one week in the animal room prior to sampling

<sup>\*\*</sup> Unused 5002

<sup>\*\*\* 3002</sup> after being used as a source of food for one week

TABLE 4

TWENTY-FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE IN THE FISCHER 344 RAT

## MEAN SURVIVAL TIME

DOSE (mg/kg/day)	SEX	MEAN SURVIVAL TIME (months)
0.0	M F	$\begin{array}{c} 22.3 \pm 0.2 \\ 22.0 \pm 0.4 \end{array}$
0.3	M F	$\begin{array}{c} 22.0 \pm 0.3 \\ 22.6 \pm 0.2 \end{array}$
1.5	M F	$21.0 \pm 0.5*$ $22.2 \pm 0.3$
8.0	M F	$\begin{array}{c} 22.2 \pm 0.2 \\ 22.4 \pm 0.2 \end{array}$
40.0	M F	14.6 ± 0.7* 20.6 ± 0.6*

<sup>\*</sup> Significantly different from control group, p< 0.05.

Table 5

TWFNTY FOUR MONTH CHRONIC TOXICITY/CARCINDGENICITY STUDY OF HEXAHYDRD-1,3,5-TRINITRO-1,3,5-TRIAZINF(RDX) IN THE FISCHER RAT MALE BODY WEIGHTS (G) [MEAN AND STANDARD DEVIATION (n)]

40.0 MG/KG/DAY	75) 85. ± 11. (75)	75) 110. ± 12. (75)	75) 137. ± 13. (75)	75) 156. ± 13. (75)*	75) 174, ± 14, (75)*	75)+ 193, ± 15, (75)+	75)+ 209, ± 16, (75)+	75)+ 224, ± 18, (75)+	75)+ 236, ± 17, (75)+	75)+ 251, ± 18, (75)+	75)+ 260, ± 18, (75)+	75)+ 269, ± 18, (75)+
8.0 MG/KG/DAY	86. ± 10. (	110. ± 11. ( 7	140. ± 14. (75)	167. ± 17. (	188. ± 19. (	210. ± 20. (	227. ± 20. (	241. ± 21. (	256. ± 22. (	270. ± 21. (	279. ± 22. (	288. ± 22. (
1.5 MG/KG/DAY	84. ± 11. (75)	111. ± 11. (75)	141. ± 15. (75)	171. ± 16. (75)	194. ± 16. (75)	218. ± 17. (75)	235, ± 16, (75)	251. ± 17. (75)	265, ± 18, (75)	280. ± 19. (75)	290. ± 19. (75)	300. ± 19. (75)
O.3 MG/KG/DAY	85. ± 10. (75)	111. ± 11. (75)	142. ± 14. (75)	170. ± 17. (75)	197. ± 16. (75)	221. ± 17. (75)	238. ± 17. (75)	253. ± 19. (75)	267. ± 18. (75)	281. ± 19. (75)	290. ± 19. (75)	300. ± 18. (75)
O O MG/KG/DAY	84, ± 11, (75)	111. ± 11. (75)	142. ± 14. (75)	170. ± 17. (75)	193. ± 20. (75)	217. ± 19. (75)	236. ± 19. (75)	251, ± 19, (75)	264. ± 19. (75)	279. ± 19. (75)	289. ± 19. (75)	298. ± 19. (75)
TEST	-2	7	-	2	æ	4	ស	Ç	7	α	6	10

Table 5 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HFXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT MALE BODY WEIGHTS (G)
[MEAN AND STANDARD DEVIATION (n)]

Ay     BG/KG/DAY       (75)     298. ± 22. (75)*     279. ±       (75)     308. ± 23. (75)*     290. ±       (75)     315. ± 25. (75)*     297. ±       (75)     322. ± 24. (75)*     303. ±       (75)     336. ± 26. (75)*     315. ±       (75)     368. ± 26. (75)*     329. ±       (75)     378. ± 26. (75)*     337. ±       (71)     378. ± 27. (72)*     348. ±       (65)     383. ± 27. (65)*     348. ±       (65)     387. ± 28. (65)*     347. ±					_	
307. ±       22. (75)       309. ±       19. (75)       298. ±       22. (75)       279. ±       19. (15)         319. ±       20. (75)       319. ±       20. (75)       308. ±       23. (75)       290. ±       19. (19. (19. (19. (19. (19. (19. (19. (	!	0.0 MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	8.0 MG/KG/DAY	40.0 MG/KG/DAY
319. ±       20. (75)       319. ±       20. (75)       308. ±       23. (75)*       290. ±       19. (19. (19. (15. (15. (15. (15. (15. (15. (15. (15	5	. + 21. (75)	22. (	19.		
327. ±       21. (75)       315. ±       25. (75)*       297. ±       20. (75)*         334. ±       20. (75)       331. ±       21. (75)       322. ±       24. (75)*       303. ±       19. (         346. ±       22. (75)       343. ±       23. (75)       348. ±       26. (75)*       315. ±       21. (         359. ±       22. (75)       367. ±       22. (75)       358. ±       26. (75)*       324. ±       27. (         370. ±       23. (75)       368. ±       26. (75)*       337. ±       30. (         381. ±       24. (75)       382. ±       25. (75)       338. ±       30. (         390. ±       25. (72)       387. ±       27. (71)       378. ±       27. (75)*       341. ±       31. (         402. ±       25. (65)       398. ±       26. (65)       387. ±       28. (65)*       347. ±       29. (	19	. ± 20. (75)	20.	319. ± 20. (75)		19. (
334. ±       20. (75)       331. ±       21. (75)       322. ±       24. (75)*       303. ±       19. (9. (75)*         346. ±       22. (75)       343. ±       23. (75)       336. ±       24. (75)*       315. ±       21. (         359. ±       22. (75)       367. ±       22. (75)       358. ±       26. (75)*       329. ±       27. (         370. ±       23. (75)       368. ±       26. (75)*       329. ±       27. (         387. ±       24. (75)       373. ±       26. (75)*       338. ±       30. (         390. ±       25. (72)       387. ±       27. (71)       378. ±       27. (72)*       341. ±       31. (         402. ±       25. (65)       398. ±       26. (65)       387. ±       28. (65)*       348. ±       29. (	126	. ± 22. (75)	21.		25. (	20. (
346. ±       22. (75)       343. ±       23. (75)       336. ±       24. (75)*       315. ±       21. (75)*         359. ±       22. (75)       368. ±       26. (75)*       329. ±       22. (75)         370. ±       23. (75)       368. ±       26. (75)*       329. ±       27. (75)         378. ±       24. (75)       377. ±       23. (75)       368. ±       26. (75)*       337. ±       30. (75)         387. ±       25. (75)       378. ±       26. (75)*       338. ±       30. (75)*       341. ±       31. (75)         390. ±       25. (65)       392. ±       26. (65)       383. ±       27. (65)*       348. ±       29. (75)*         402. ±       25. (65)       398. ±       26. (65)       387. ±       28. (65)*       347. ±       321. (75)*	31	. ± 21. (75)	20. (	21. (	24. (	9.
359. ±       22. (75)       357. ±       22. (75)       348. ±       26. (75)*       324. ±       22. (75)*         370. ±       23. (75)       367. ±       23. (75)       358. ±       26. (75)*       329. ±       27. (         378. ±       24. (75)       377. ±       23. (75)       368. ±       26. (75)*       337. ±       30. (         387. ±       24. (75)       382. ±       25. (75)       378. ±       26. (75)*       338. ±       30. (         390. ±       25. (65)       392. ±       26. (65)       383. ±       27. (65)*       348. ±       29. (         402. ±       25. (65)       398. ±       26. (65)       387. ±       28. (65)*       347. ±       32. (	46	. ± 21. (75)	22.			21. (
370. ±       23. (75)       367. ±       23. (75)       358. ±       26. (75)*       329. ±       27. (         378. ±       24. (75)       377. ±       23. (75)       368. ±       26. (75)*       337. ±       30. (         387. ±       24. (75)       382. ±       25. (75)       378. ±       26. (75)*       338. ±       30. (         390. ±       25. (65)       392. ±       26. (65)       383. ±       27. (65)*       348. ±       29. (         402. ±       25. (65)       398. ±       26. (65)       387. ±       28. (65)*       347. ±       32. (	57	. ± 21. (75)	22.		26. (	± 22. (
378. ±       24. (75)       377. ±       23. (75)       368. ±       26. (75)*       337. ±       30. (75)*         387. ±       25. (75)       373. ±       26. (75)*       338. ±       30. (75)*         390. ±       25. (72)       387. ±       27. (71)       378. ±       27. (72)*       341. ±       31. (72)*         397. ±       25. (65)       392. ±       26. (65)       383. ±       27. (65)*       348. ±       29. (72)*	68	22.	23. (	23.	26.	± 27. (
387. ±       24. (75)       382. ±       25. (75)       373. ±       26. (75)       338. ±       30. (75)         390. ±       25. (72)       387. ±       27. (71)       378. ±       27. (72)       341. ±       31. (5)         397. ±       25. (65)       392. ±       26. (65)       383. ±       27. (65)       348. ±       29. (72)         402. ±       25. (65)       398. ±       26. (65)       387. ±       28. (65)       347. ±       32. (72)	78	23.	24.	23.	. 36	30.
390. ± 25. (72) 387. ± 27. (71) 378. ± 27. (72)* 341. ± 31. ( 397. ± 25. (65) 392. ± 26. (65) 383. ± 27. (65)* 348. ± 29. ( 402. ± 25. (65) 398. ± 26. (65) 387. ± 28. (65)* 347. ± 32. (	86		24.	<u>+</u> 25.	26. (	± 30. (
397. ± 25. (65) 392. ± 26. (65) 383. ± 27. (65)* 348. ± 29. (402. ± 25. (65) 398. ± 26. (65) 387. ± 28. (65)* 347. ± 32. (402. ± 25. (65) 398. ± 26. (65) 387. ± 28. (65)*	90	24	25.	± 27.	27.	± 31. (
402. ± 25. (65) 398. ± 26. (65) 387. ± 28. (65)* 347. ± 32. (	96		25. (	26. (	27. (	<u>+</u> 29. (
	Ξ	. 1 25. (65)	25.	26. (	28. (	32. (

Table 5 (continued)

1WFNTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT MALE BODY WEIGHTS (G)
[MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	/9M	O.O MG/KG/DAY	Α		Σ.	G/K	O.3 MG/KG/DAY	>		MG/K	1.5 MG/KG/DAY	>	*	8 0 IG/KG/t	B O MG/KG/DAY			MG/1	40.0 MG/KG/DAY	<b>*</b>	1
32	410. +	25.	Ū	65)	412. ±		26.	26. (65)	406. ±		26. (	( 64)	395.	+1	. 6	395. ± 28. ( 65)*	356. ± 23. (59)*	+1	23.	22	<b>*</b> (6
34	417. +	26.	J	55)	415. +		25.	25. (65)	412. +	+1	27.	( 64)	400.		28.	*(89)	367. ±	+1	21.	$\overline{}$	57)*
36	424. ± 27. (65)	27.	J	55)	421. +		56	26. (65)	419. +		28.	28. ( 64)	404. +		6	29. (65)*	369. +	+1	22.	_	57)*
38	426. +	28.	J	65)	425. +		28.	28. (65)	423. ±		28.	( 63)	408. ±		-	31. (65)*	366. ±	+1	22.	_	57)+
40	430. +	27.	J	55)	432. ±		27.	27. (65)	428. +		29.	( 64)	413. +		- -	31. (65)*	362. ±	+1	25.	$\overline{}$	54)+
42	436. +	27.	27. (65)	55)	433. +		27.	( 69 )	431. +		28.	( 64)	416. +		32. (	*(59)	368. ±	+1	21.	<u>.</u>	54)*
44	439. +	27.	27. (65)	92)	439. +		28	( 65 )	435. ±		28.	( 64)	420. +		31.	( 65)*	373. ±	+1	<del>.</del>	$\overline{}$	52)*
46	443. ±	27. (65)	J	65)	442. ±		28.	( 62 )	438. +		29.	( 64)	423. +		. 6	33. (65)*	372. ±	+1	20.	$\overline{}$	50)+
48	448. +	28.	28. (65)	95)	446. +		29.	29. (65)	442. +		28.	( 64)	427. ±		33. (	( 65)*	369. +	+1	<b>€</b>	_	45)+
50	450. ±	28	28. (65)	65)	448. +		29.	( 65 )	442.	+1	28.	( 64)	427. ±		. (	32. (65)*	366. +	+1	20.	$\overline{}$	44)+
52	447. ± 29. (59)	29.	ت	59)	447. +		31.	31. (59)	443. +		29.	( 26 )	426. ±		33. (	( 58)+	362. ±	+1	21.	$\overline{}$	<b>36)</b>
54	445. ± 29. (55)	29.	Ü	55)	452. +	+1	30.	30. (55)	446. ±	+1	30.	30. (53)	428. +	+1	32.	32. (55)*	360. +	+1	29. (	3	32)+

(continued) Table 5

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAF MALE BODY WEIGHTS (G) (MEAN AND STANDARD DEVIATION (n))

		I MEAN AND	(MEAN AND STANDARD DEVIALION (N.)		
1EST WEEK	O.O MG/KG/DAY	O.3 MG/KG/DAY	1 5 MG/KG/DAY	8.0 MG/KG/DAY	40.0 MG/KG/DAY
26	446. ± 27. (55)	452. ± 30. (55)	447. ± 30. (53)	430, ± 32, (55)+	363. ± 28. ( 32)∗
58	449. ± 27. (55)	455. ± 30. (55)	448, ± 29, (53)	434, ± 32, (55)+	369, ± 23, (31)+
09	450 ± 27. (55)	454. ± 30. (55)	448. ± 29. (52)	434, ± 33, (-55)*	370. ± 21. ( 30)+
62	444. ± 30. (54)	452. ± 32. (54)	446. ± 30. (52)	434, ± 33, (55)	365. ± 21. ( 28)*
64	437. ± 30. (54)	448. ± 35. (54)	435. ± 31. (52)	428, ± 32, (55)	360. ± 19. ( 23)*
99	438. ± 30. (54)	448. ± 32. (54)	439. ± 36. (51)	431, ± 30, (55)	360. ± 24. ( 23)*
68	445. ± 29. (54)	453. ± 32. (54)	446. ± 30. (50)	434, ± 32, (55)	364. ± 20. ( 23)∗
0,1	448 + 28 (54)	455. ± 32. (54)	447. ± 30. (48)	434, ± 33, (54)	365. ± 23. ( 23)+
72	451. ± 27. ( 54)	457. ± 29. (53)	447. ± 34. (48)	435, ± 32, (53)*	360. ± 24. ( 20)*
7.4	450. ± 27. ( 54)	456. ± 29. (53)	447. ± 38. (48)	433, ± 31, (53)*	360. ± 31. ( 20)*
76	455. ± 28. (54)	458. ± 30. (52)	452. ± 30. (47)	436. ± 30. (53)*	357, ± 35, (19)*
78	452. ± 27. (51)	454. ± 34. (49)	455, ± 31, (43)	435, ± 31, (50)*	354, ± 31, (-15)*

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 5 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT MALE BODY WEIGHTS (G)
[MEAN AND STANDARD DEVIATION (n)]

TEST	O O MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	8.0 MG/KG/DAY	40.0 MG/KG/DAY
80	454, ± 29. (54)	456. ± 31. (51)	446. ± 33. (47)	435. ± 34. (53)*	348. ± 39. (17)*
82	452. ± 29. ( 54)	455. ± 30. (51)	436. ± 49. (46)	433, ± 35, (53)*	341. ± 40. (16)*
84	449. ± 33. (54)	451, ± 30, (51)	440. ± 42. (44)	428. ± 34. (52)*	350. ± 40. (12)+
86	449. ± 29. (53)	448. ± 37. (50)	437. ± 47. ( 44)	428. ± 35. (51)	345. ± 37. ( 10)*
<b>80</b>	446. ± 30. (51)	448. ± 38. (48)	436. ± 53. ( 44)	431, ± 35, (51)	353. ± 16. ( 9)+
06	443. ± 28. (50)	451, ± 28, (45)	436. ± 46. (43)	424. ± 30. (49)	349. ± 16. ( 9)*
92	438. ± 31. (48)	447. ± 29. (45)	433. ± 47. ( 42)	419. ± 36. (49)	357. ± 18. ( 9)*
94	434, ± 34, (46)	442. ± 32. (45)	433. ± 43. (39)	419. ± 29. (47)	346. ± 14. ( 9)*
96	431, ± 33. (45)	437. ± 31. (44)	425. ± 42. ( 38)	408. ± 43. (45)*	342. ± 24. ( 9)*
86	423. ± 42. (43)	432. ± 34. (42)	418. ± 42. (35)	407. ± 42. (41)	324. ± 49. ( 8)*
<b>1</b> 00	421, ± 45, (41)	426. ± 41. (41)	402. ± 58. ( 34)	398. ± 50. (38)	346. ± 25. ( 6)*
102	413. ± 52. (41)	424. ± 46. (39)	403. ± 52. ( 31)	409. ± 35. (35)	340. ± 23. ( 6)*
104	409. ± 43. ( 36)	411. ± 55. ( 36)	377. ± 58. ( 27)	397. ± 41. ( 29)	323. ± 50. ( 3)*

Table 6

JUENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXANYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER KAT CUMULATIVE MALE BODY WEIGHT GAINS (9) [MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	NG/K	O O MG/KG/DAY	MG/K	O.3 MG/KG/DAY	1.5 MG/KG/[	1.5 MG/KG/DAY	8 MG/K	8 O MG/KG/DAY	MG/K	40.0 MG/KG/DAY
_	31 +	6 (75)	31 ±	5 (75)	30 +	6 (75)	29 ±	( 12)	- 56 ±	5 (75)+
2	+ 69	10 (75)	+1	13 (75)	+ 09	7 (75)	57 +	10 (75)	46 +	• (51) •
ဇ	82 ±	15 (75)	85 +	11 (75)	83 +	10 (75)	78 +	13 (75)*	64 +	9 (75)
4	106 ±	13 (75)	+ 601	12 (75)	107 ±	11 (75)	100	13 ( 75)*	83 +	10 (75)
ស	125 ±	13 (75)	127 ±	13 (75)	124 ±	12 ( 75)	117 ±	14 (75)*	+ 66	12 (75)*
9	140 +	14 (75)	141 +	16 (75)	140 ±	13 (75)	131 ±	15 (75)*	114 +	16 (75)*
7	154 +	14 (75)	155 ±	16 (75)	154 +	14 ( 75)	146 ±	16 (75)*	126 ±	15 (75)+
80	169 ±	16 (75)	170 ±	15 (75)	169 ±	16 ( 75)	159 ±	16 (75)*	141 +	16 (75)
6	178 ±	15 (75)	178 +	17 (75)	180 +	15 (75)	168 ±	17 (75)*	149 +	17 (75)
10	188 ±	15 (75)	189 +	17 (75)	190 ±	17 (75)	178 ±	17 (75)+	158 +	16 (75)+

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 6 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT CUMULATIVE MALE BODY WEIGHT CANNS (q)

					¥	AN AND STAN	[MEAN AND STANDARD DEVIATION (n)]	(c) N							
TEST WEEK	MG/i	0.0 MG/KG/DAY		MG/I	O.3 MG/KG/DAY		MG/K	1.5 MG/KG/DAY		8 MG/K	8.0 MG/KG/DAY		40 MG/K	40.0 MG/KG/DAY	
11	+ 661	19 (	(22)	+ 96+	20	20 (75)	+ 861	16 (75)	75)	188 +	18 (	18 (75)*	÷ 691	18 (75)*	75)*
12	208 ± 17 (75)	11 (	( 75 )	208 +	8	18 (75)	208 ±	16 (75)	75)	+ 861	17 (	75)*	180 +	18 (75)*	75)+
13	215 ±	19 (	(37)	216 ±	20 (	( 75 )	213 ±	17 (	75)	205 ±	20 (	75)+	187 ±	20 (	75)+
14	221 ±	19 (	(22)	222 +	19	( 75)	220 +	18 (	( 75)	212 ±	19 (	(75)•	192 ±	18 (	( 75)+
16	235 ±	19 (	(24)	235 ±	21 (	(24)	232 ±	20 (	75)	225 ±	19 (	75)*	204 ±	22 (	75)+
8	246 ±		19 ( 75)	248 +	20	( 75 )	246 ±	20 (	75)	238 ±	21 (	( 75)+	214 +	22 (	75)•
20	257 ±		20 (75)	258 ±	21	( 75 )	257 ±	20 (75)	75)	247 ±	21 (	(75)*	219 ±	27 (	74)+
22	267 ±		20 (75)	₹ 592	23	( 75)	266 ±	21 (	75)	257 ±	22 (	75)*	227 ±	30 (	72)+
24	275 ±		22 ( 75)	276 +	22	( 75 )	271 ±	23 (	75)	263 ±	22 (	(75)*	228 ±	30 (	72)+
26	279 ±		21 (72)	279 ±	23	( 72)	276 ±	25 (	71)	268 ±	22 (	72)*	231 ±	30 (	68)+
28	285 ±		21 (65)	285 +	23	( 62)	281 ±	24 (	65)	273 ±	23 (	65)*	238 ±	29 (	•(09
30	291 +	22 (	22 ( 65)	₹ 062	22	( 69 )	287 ±	23 (	(29	277 ±	24 (	( 65)*	<del>1</del> 982	31 (	£69)*

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

Table 6 (continued)

TWENTY FOUR MUNTH CHRONIC TOXICITY/LAKCINGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT CUMULATIVE MALE BODY WEILHT GAINS (4)
[MEAN AND STAMDARD DEVIATION (n)]

TEST	O.O MG/KG/DAY	O 3 MG/KG/DAY	1.5 MG/KG/DAY	8 O MG/KG/DAY	40.0 MG/KG/DAY
32	299 ± 22 (65)	300 ± 24 ( 65)	5) 295 ± 24 ( 64)	285 ± 23 ( 65)*	245 ± 23 (59)+
34	306 ± 23 (65)	304 ± 23 (65)	5) 301 ± 24 ( 64)	290 ± 23 ( 65)+	256 ± 20 ( 57)*
36	313 ± 24 (65)	310 ± 24 ( 6	65) 308 ± 25 ( 64)	294 ± 25 ( 65)*	258 + 24 ( 57)+
38	315 ± 25 (65)	313 ± 26 ( 6)	65) 310 ± 28 ( 64)	298 ± 26 ( 65)*	255 ± 22 ( 57)*
40	319 ± 24 (65)	320 ± 26 ( 69	65) 317 ± 26 ( 64)	303 + 27 ( 65)*	251 ± 25 ( 54)*
42	325 ± 24 (65)	322 ± 26 ( 6	65) 320 ± 25 ( 64)	306 + 27 ( 65)+	257 ± 21 ( 54)+
44	329 ± 24 (65)	327 ± 27 ( 6)	65) 324 + 26 (64)	310 + 26 ( 65)*	262 ± 20 ( 52)•
46	333 ± 24 (65)	331 ± 27 ( 69	65) 327 ± 26 ( 64)	312 + 29 ( 65)+	260 ± 20 ( 50)*
48	338 ± 25 (65)	335 ± 27 ( 69	65) 331 ± 25 ( 64)	317 + 29 ( 65)*	258 + 18 ( 45)+
50	339 ± 25 (65)	337 ± 28 ( 69	65) 331 ± 25 ( 64)	117 + 28 ( 651*	255 + 21 ( 44)*
52	336 ± 27 (59)	332 + 30 ( 58	59) 332 + 25 ( 56)	116 + 28 (58)	251 + 22 (36)*
54	335 ± 27 (55)	339 + 30 ( 26	55) 334 + 27 ( 53)	319 + 28 ( 55)	250 ± 29 ( 32)∗

Table 6 (continued)

TWENTY FOUR HONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAMYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINÉ(RDX) IN THE FISCL:R RAT CUMULATIVE MALE BODY WEIGHT GAINS (9) [HEAN AND STANDARD DEVIATION (n)]

TEST	)  /5	O.O MG/KG/DAY		O MG/K	O.3 MG/KG/DAY	MG/P	1.5 MG/KG/DAY	1	B X/SM	8.0 MG/KG/DAY	AC MG/k	40.0 MG/KG/DAY
56	336 +	26 (	(22)	340 +	29 (55)	332 +	27 (53)	(3)	320 ±	27 (55)*	252 ±	29 ( 32)*
58	339 ± 26 (55)	26 (	( 22 )	342 +	29 (55)	336 +	26 ( 5	53)	324 ±	28 (55)*	258 ±	25 ( 31)*
09	340 ±	26 (	( 22 )	342 +	29 (55)	337 ±	26 ( 52)	(2)	324 +	28 (55)*	259 ±	24 ( 30)*
62	335 ±	30	( 54)	340 +	31 (54)	335 +	27 (52)	(2)	325 ±	29 (55)	254 +	24 ( 28)+
64	328 ±	29 (	( 54)	336 ±	34 (54)	323 +	30 ( 2	52)	3.18	27 (55)	250 ±	20 (23)
99	329 ±	27 (	( 54)	332 +	31 (54)	328 ±	33 ( 2	51)	321 ±	26 (55)	250 ±	26 ( 23)*
68	336 +		26 ( 54)	340 +	31 (54)	335 +	27 ( 5	50)	324 ±	28 (55)	254 ±	22 ( 23)*
02	339 +		54)	342 ±	30 (54)	336 +	27 ( 4	48)	324 +	29 (54)*	255 ±	23 ( 23)*
72	341 +		25 ( 54)	345 ±	28 (53)	337 ±	31 ( 4	48)	326 ±	29 ( 53)•	250 ±	28 ( 20)
74	341 +		26 ( 54)	343 ±	27 (53)	337 ±	35 (48)	(8)	324 +	27 (53)+	250 ±	35 ( 20)*
16	345 +		27 ( 54)	345 ±	28 (52)	341 ±	27 ( 4	47)	326 ±	26 (53)*	248 ±	39 (19)+
78	342 ±		( 51)	342 +	33 (49)	344 +	28 ( 4	43)	326 ±	27 ( 50)*	244 +	35 ( 15)*

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

Table 6 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CHRITNOGENICITY STODY OF HEXANYDRO-1,3,5-FRINTRO-1,3,5-FRIAZIMETRO.) IN THE FISCHER RAT COMPOLALIZE MALE BODY WELGHE GAINS (9) (MEAN AND STANDARD DEVIATION (n))

+ 45 ( 44) 318 + + 45 ( 44) 321 ± + 45 ( 42) 321 ± + 45 ( 42) 314 ± + 41 ( 39) 309 ± + 40 ( 35) 297 ± + 51 ( 31) 299 ±
±     43 ( 44)     318 ±       ±     50 ( 44)     321 ±       ±     45 ( 42)     314 ±       ±     41 ( 39)     309 ±       ±     40 ( 38)     298 ±       ±     40 ( 35)     297 ±       ±     58 ( 34)     288 ±       ±     51 ( 31)     299 ±
+     50 (44)     321 ±       +     45 (42)     314 ±       +     41 (39)     309 ±       +     41 (39)     298 ±       +     40 (35)     297 ±       +     58 (34)     288 ±       +     51 (31)     299 ±
±       45 ( 42)       309 ±         ±       41 ( 39)       309 ±         ±       39 ( 38)       298 ±         ±       40 ( 35)       297 ±         ±       58 ( 34)       288 ±         ±       51 ( 31)       299 ±
±     41 ( 39 )     309 ±       ±     39 ( 38 )     298 ±       ±     40 ( 35 )     297 ±       ±     58 ( 34 )     288 ±       ±     51 ( 31 )     299 ±
±     39 ( 38)     298 ±       ±     40 ( 35)     297 ±       ±     58 ( 34)     288 ±       ±     51 ( 31)     299 ±
+ 58 ( 34) 297 + + 58 ( 34) 288 + + 51 ( 31) 299 +
± 58 ( 34 ) 288 ± ± 51 ( 31 ) 299 ±
+ 51 (31) 299 +
265 ± 60 ( 27 ) 286 ± 42

Table 7

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINDGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT FEMALE BODY WEIGHTS (G) [MEAN AND STANDARD DEVIATION (n)]

Table 7 (continued)

IWFNIY FOUR MONIH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXALFORO-1,3,5-IRINIIRO 1,3,5 TRIAZINE(RDX) IN THE FISCHER RAT FEMALE BODY WEIGHTS (G)
[MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	0.0 MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	8.0 MG/KG/DAY	40.0 MG/KG/DAY
Ξ	172, + 10. (75)	172, ± 10, (75)	173, ± 9, (75)	172. ± 10. (75)	164, ± 11, (75)*
2	175 ! 10 (75)	177. ± 10. (75)	177. ± 8. (75)	176. ± 10. (75)	169. ± 12. (75)+
13	178 + 10. (75)	178. ± 10. ( 75)	179. ± 9. (75)	179. ± 11. (75)	171, ± 11, (75)*
Ξ	181 ± 11. (75)	181. ± 10. (75)	181, ± 9, (75)	180. ± 12. (75)	174, ± 12, (75)*
91	186, ± 10, (75)	186. ± 11. (75)	187. ± 9. (75)	186. ± 11. (75)	181, ± 13, (75)*
ā	189. ± 11. ( 75)	191, ± 11, (75)	190, ± 9, (75)	191. ± 12. (75)	186. ± 13. (75)
20	193, ± 11, (75)	194, ½ 11, (75)	194, ± 9, (75)	194. ± 12. (75)	191, ± 15, (75)
22	197 + 11 ( 75)	199. ± 12. (75)	198. ± 10. (75)	198. ± 12. (75)	198. ± 17. (75)
24	201 + 11. (74)	203. ± 11. (75)	202. ± 10. (75)	203. ± 13. (75)	202. ± 17. (75)
96	205, + 11, (72)	204. ± 11. (72)	205. ± 10. (72)	205. ± 13. (71)	209. ± 20. (72)
86	207 + 12 ( 64)	206. ± 12. (-65)	206. ± 10. (-65)	207. ± (3. (65)	212. ± 19. ( 65)
30		209. ± 12. ( 65)	209, ± 10, (-65)	207. ± 13. ( 65)	219. ± 20. (64)*

Table 7 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINDGENICITY STUDY OF HEXAHYDRO-1,3,5-TRIAINE(RDX) IN THE FISCHER RAT FEMALE BODY WEIGHTS (G)
[MEAN AND STANDARD DEVIATION (n)]

TEST	O.O MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	8 O MG/KG/DAY	40.0 MG/KG/DAY
32	213. ± 13. ( 64)	210. ± 13. (65)	212. ± 11. ( 65)	211. ± 14. ( 65)	224. ± 20. (63)+
34	216. ± 13. ( 64)	215. ± 13. (65)	215. ± 10. (65)	213. ± 14. (65)	232. ± 20. ( 62)*
36	218. ± 14. ( 64)	217. ± 13. (65)	216. ± 11. ( 65)	215. ± 14. (65)	237. ± 18. ( 62)*
38	222. ± 14. ( 64)	220. ± 13. (65)	220. ± 10. ( 65)	218. ± 15. (65)	241. ± 17. ( 61)*
40	225. ± 14. ( 64)	223. ± 14. (65)	223. ± 12. (65)	220. ± 15. ( 65)	243. ± 17. ( 60)*
42	228. ± 14. ( 64)	227. ± 14. (65)	226. ± 11. (65)	224. ± 16. (65)	246. 🚊 16. ( 60)+
44	232. ± 14. ( 64)	230. ± 15. ( 65)	229. ± 11. (65)	226. ± 17. ( 65)	249. ± 16. (59)*
46	235. ± 15. ( 64)	234. ± 16. ( 65)	232. ± 12. (65)	230. ± 17. ( 65)	250, ± 15, ( 59)*
48	240. ± 15. ( 64)	237. ± 15. ( 65)	235. ± 13. ( 65)	233. ± 17. ( 65)*	252. ± 16. ( 59)*
20	243. ± 15. ( 64)	241, ± 16, (65)	239. ± 13. (65)	234. ± 18. (65)+	252. ± 14. ( 59)*
52	246. ± 17. ( 57)	242. ± 16. (58)	240. ± 13. (59)	235. ± 18. ( 58)*	251. ± 15. ( 53)
54	246. ± 19. (53)	245. ± 18. (55)	242. ± 15. (55)	236. ± 19. (55)*	251. ± 16. (49)

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

-- = NO AVAILABLE DATA

Table 7 (continued)

IMINIY FOUR MONIH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN IHE FISCHER RAT FEMALE RODY WFIGHTS (G)
[MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	O O MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	8 O MG/KG/DAY	40 0 MG/KG/DAY
56	248. ± 18 (53)	246. ± 17. (-55)	244, ± 15, (55)	238. ± 21. (55)+	253. ± 14. ( 48)
58	251, ± 19, (-53)	250 ± 17. (55)	247. ± 15. ( 54)	242. ± 21. ( 55)+	255, ± 14, (48)
09	256 ± 19. (-53)	253. ± 18. (-55)	251. ± 16. ( 54)	247. ± 24. (55)*	255, ± 15, (48)
62	258. ± 20. (53)	255. ± 21. ( 55)	254, ± 17, (54)	251, ± 29, (55)	253. ± 13. ( 47)
6.1	257. ± 21. (-53)	256. ± 20. (55)	253. ± 22. (54)	249. ± 26. (54)	250. ± 13. (47)
99	261. ± 21. (53)	259. ± 20. (55)	257. ± 20. (53)	252. ± 23. ( 54)*	251. ± 14. ( 47)*
68	266. ± 22. ( 53)	264. ± 21. (55)	263. ± 20. (53)	257. ± 25. ( 54)	255. ± 14. ( 47)*
70	269 ± 23. (53)	269. ± 21. ( 54)	267. ± 19. (53)	263, ± 26, (54)	255. ± 14. ( 47)*
7.2	274, ± 23, (-52)	272. ± 22. (54)	271. ± 20. (53)	267. ± 26. (54)	256. ± 13. ( 47)*
7.4	275 ± 22. ( 52)	274. ± 22. (54)	273, ± 18, (53)	268, ± 26, (54)	256, ± 13, (-47)*
91	279. ± 24. (52)	279. ± 23. (54)	279. ± 18. (53)	273. ± 25. (54)	257, ± 15, (47)*
78	285. ± 20. (48)	282. ± 23. (51)	282. ± 19. (50)	274. ± 25. (50)+	258. ± 15. ( 44)+

- = NO AVAILABLE DATA

Table 7 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT FEMALE BODY WEIGHTS (G)
[MEAN AND STANDARD DEVIATION (n)]

TES1 WEEK	O.O MG/KG/DAY	O.3 MG/KG/DAY		co x	<b>6</b> ★
80	287. ± 22. (50)	287. + 24. (54)	285, ± 21, (52)	278. + 27. (54)	261. ± 14. ( 46)*
82	290. ± 25. (50)	292. ± 25. (54)	291, ± 19, (51)	281. ± 27. (54)	261. ± 15. ( 46)*
34	292. ± 21. (50)	295. ± 24. (53)	292. ± 22. (50)	283. ± 27. (53)	264. ± 15. ( 46)+
96	294. ± 19. (50)	297. ± 22. (52)	292. ± 22. (50)	283. ± 28. (53)+	260. ± 16. (45)*
<b>8</b>	294. ± 20. (50)	297. ± 22. (52)	293. ± 24. (50)	284. ± 32. (52)+	258. ± 17. ( 44)*
06	298. ± 20. (49)	298. ± 23. (52)	294. ± 27. (50)	285. ± 34. (50)*	258. ± 16. ( 43)*
92	302. ± 20. (48)	304. ± 22. (51)	2등5. ± 30. ( 50)	287. ± 39. (50)*	260. ± 17. (42)*
94	305. ± 21. (48)	306. ± 23. (51)	297. ± 31. (49)	291. ± 30. (48)+	254. ± 22. (40)*
96	306. ± 21. (48)	303, ± 23, (51)	296. ± 31. (48)	291. ± 32. (47)*	256. ± 28. ( 38)*
98	306. ± 21. (47)	304. ± 27. (50)	294. ± 36. (47)	289. ± 36. (47)*	258. ± 24. (35)*
100	305. ± 20. (47)	303. ± 29. (48)	294, ± 35, (46)	290. ± 33. (46)*	255. ± 27. ( 34)*
102	305. ± 21. (44)	303. ± 30. (48)	292, ± 38, (45)	290. ± 35. (44)*	257. ± 23. ( 31)*
104	303. ± 23. ( 39)	301. ± 25. ( 42)	292. ± 34. ( 40)	291, ± 38, (39)	255. ± 18. ( 26)*

Table 8

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEAAHYDRO-1,5,5-TRINITRO-1,3,5-TRIAZINE(ROX) IN THE FISCHER RAT CUMULATIVE FEMALE BOUY WEIGHT GAINS (y) {MEAN AND STANDARD DEVIATION (n)}

40.0 MG/KG/DAY	)+ 12 ± 3 (75)+	) 24 ± 4 (75)*	34 ± 5 (75)*	43 ± 6 (75)*	47 ± 6 (75)*	54 ± 7 (75)*	57 ± 8 (75)*	61 ± 9 (75)+	62 ± 8 (75)*	1 67 + R ( 75)+
8.0 MG/KG/DAY	15 ± 4 ( 75)+	28 ± 5 (75)	38 ± 5 (75)	46 ± 6 (75)	53 + 7 (75)	59 ± 7 (75)	64 ± 8 (75)	(31) 8 769	71 ± 8 (75)	75 + 9 ( 75)
1.5 MG/KG/DAY	2 (75)	4 (75)	4 (75)	6 (75)	7 (75)	7 (75)	6 (75)	6 (75)	7 (75)	(74)
MG,	+ 91	29 ±	38 +1	46 +	52 +	59 +1	65 +	+ 69	71 ±	75 +
O.3 MG/KG/DAY	17 ± 5 (75)	29 ± 4 (75)	39 ± 5 (75)	47 ± 5 (75)	53 ± 5 (75)	60 ± 6 (75)	64 ± 7 (75)	70 ± 7 (75)	72 ± 7 (75)	75 + 8 ( 75)
O.O MG/KG/DAY		29 ± 6 (75) 2		( 75)	( 75)	( 22 )	8 (75) 6	9 (75)	8 (75) 8	9 (75) 7
MG/K	+ 91	29 +	+ <sup>1</sup> 60	47 +	53 ± 7	<del>+</del> 09	64 +	+ 89	71 ±	+ 1/2
TEST	-	2	က	4	ស	9	7	œ	თ	Ç

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

Table 8 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX) IN THE FISCHER RAT CUMULATIVE FEMALE BODY WEIGHT GAINS (4) [HEAN AND STANDARD DEVIATION (n)]

, DAY	6 (75)	+(51) 6	9 (75)	9 (75)	12 (75)*	11 (75)	13 (75)	14 (75)	14 (75)	18 (72)*	18 (65)*	18 ( 64)*
40.0 MG/KG/DAY	+1	76 +	78 +	<b>80</b> +∤	+1	+ 46	98 +	105 +	110 +	116 +	120 ±	126 ±
DAY	9 (75)	6 (75)	9 (75)	10 (75)	9 (75)	10 (75)	10 (75)	11 (75)	11 ( 75)	11 (71)	11 (65)	11 ( 65)
B O MG/KG/DAY	+ 62	+ E 83	+ 588	1 + 18	92 +	97 ± 1	+ 001	104 ± 1	109 ±	112 ± 1	113 ±	114 + 1
S (DAY	9 (75)	8 (75)	9 (75)	9 (75)	9 (75)	9 (75)	8 (75)	10 (75)	9 (75)	9 (72)	10 (65)	6 (65)
1.5 MG/KG/DAY	+ 61	+1	95 +1	87 +	<del>+</del> 66	+ 96	100	104 +	108 +	+1	+1	114 +
) /DAY	8 (75)	9 (75)	8 (75)	9 (75)	9 (75)	9 (75)	10 (75)	10 (75)	10 (75)	10 (72)	10 (65)	10 (65)
O.3 MG/KG/DAY	+ 61	83 +	84 +	+1	93 +	+1	+1 00	105 +	+1 601	+1	+13	+16+
0.0 MG/KG/DAY	9 (75)	9 (75)	9 (75)	10 (75)	9 (75)	10 (75)	10 (75)	11 (75)	11 ( 74)	11 (72)	12 ( 64)	12 ( 64)
O MG/KC	78 +	82 +	<b>84</b>	<del>+</del> 18	+1	<del>+</del> 56	+1	103 +	107 ±	+1	113 ±	+16 +
TEST	=	12	13	14	16	8	20	22	24	26	28	30

Table 8 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINC(RDX) IN THE FISCHER RAT COMPLATIVE FEMALE BOUY WEIGHT GAINS (9) {#REAN AND STANDARD DEVIATION (n)}

				MEAN AND ST	(MEAN AND STANDARD DEVIALION (A))	1 (u) NO!					
TEST WEEK	) WG/I	O.O MG/KG/DAY	MG/I	O.3 MG/KG/DAY	MG/K	1.5 MG/KG/DAY	8 MG/K	8.0 MG/KG/DAY	40 MG/K	40.0 MG/KG/DAY	ł
32	+ 61+	12 ( 64)	117 ±	10 (65)	117 ±	6 ( 65)	117 ±	11 ( 65)	132 ±	19 (63)	3)+
34	122 ±	12 ( 64)	122 ±	11 (65)	120 ±	(65)	120 ±	11 ( 65)	139 +	18 ( 6;	62)*
36	124 ±	124 ± 13 ( 64)	124 ±	11 ( 65)	122 ±	10 (65)	122 ±	12 ( 65)	145 +	17 ( 63	62)+
38	128 ±	13 ( 64)	127 ±	12 (65)	125 ±	(69) 6	124 ±	12 ( 65)	148 +	15 ( 6	61)+
40	131 ±	13 (64)	130 ±	12 (65)	128 ±	10 (65)	126 ±	12 ( 65)*	150 ±	15 ( 60	•(09
42	135 ±	14 ( 64)	134 ±	12 (65)	132 ±	10 (65)	130 ±	14 ( 65)	153 +	15 ( 6(	•(09
44	138 +	13 (64)	137 ±	13 (65)	135 ±	10 (65)	133 ±	14 ( 65)*	156 ±	14 ( 59	£6)+
46	141	14 ( 64)	140 ±	14 (65)	138 ±	10 ( 65)	136 +	14 ( 65)*	158 ±	13 (5	59)+
48	146 +	14 ( 64)	144 +	13 (65)	141 +	11 (65)*	139 ±	14 ( 65)*	160 ±	14 ( 59	£6) •
50	150 +	15 (64)	148 +	14 (65)	145 ±	11 (65)	141 +	15 ( 65)+	160 ±	12 ( 59	59)•
52	152 ±	16 ( 57)	149 +	14 (58)	145 ±	11 (59)*	142 ±	15 ( 58)*	159 ±	11 ( 5)	53)+
54	152 ±	18 (53)	151 ±	15 ( 55)	147 ±	14 ( 55)	143 ±	16 (55)*	158 +	12 ( 49	46)+

Table 8 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT CUMULATIVE FEMALE BODY WEIGHT GAINS (9) [MEAN AND STANDARD DEVIATION (n)]

TEST	MG/K	O.O MG/KG/DAY	O MG/K	O.3 MG/KG/DAY	HG/K	1.5 MG/KG/DAY	MG/k	8.0 MG/KG/DAY	40 MG/K	40.0 MG/KG/DAY
56	155 +	18 ( 53)	152 ±	14 ( 55)	149 ±	(3 ( 22)	145 ±	18 ( 55)*	+61+	11 (48)*
58	157 ±	18 (53)	156 ±	15 ( 55)	152 ±	14 ( 54)	149 +	18 (55)*	163 +	11 (48)
90	162 ±	19 (53)	159 +	15 ( 55)	156 ±	15 (54)	153 ±	21 (55)*	163 +	12 (48)
62	164 +	20 (53)	162 ±	18 (55)	159 ±	16 (54)	157 ±	28 (55)	161 +	11 ( 47)
64	163 +	20 (53)	162 ±	18 (55)	158 +	22 (54)	156 ±	24 ( 54)	158 ±	13 ( 47)
99	167 ±	20 (53)	165 ±	18 (55)	162 ±	19 (53)	+ 651	21 ( 54)*	159 +	12 (47)*
68	172 ±	21 (53)	170 ±	19 (55)	168 ±	19 (53)	164 +	22 (54)	163 ±	12 ( 47)*
0,	176 ±	22 (53)	175 ±	18 ( 54)	172 ±	19 (53)	+ 691	23 (54)	163 ±	11 ( 47)*
72	180 ±	22 (52)	+ 671	18 (54)	176 ±	19 (53)	174 +	24 ( 54)	164 +	10 (47)*
74	+1	21 (52)	180 ±	19 (54)	178 ±	17 (53)	175 ±	23 (54)	164 +	11 ( 47)*
76	185 +	23 (52)	186 +	19 ( 54)	184 ±	17 (53)	179 ±	23 (54)	165 ±	13 ( 47)*
78	191 +	21 (48)	188 +	20 (51)	188 ±	18 (50)	180 +	23 ( 50)*	165 +	12 (44)*

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

Table 8 (continued)

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THENTY FOUR MONTH CHRUNIC TOXICITY/CARCINGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINL (RDX) IN THE FISCHER RAT CUMULATIVE FEMALE BODY WEIGHT GAINS (g) [HEAN AND STANDARD DEVIATION (n)]

193 ±         24 ( 50)         193 ±         21 ( 54)         190 ±         20 ( 52)         184 ±         24 ( 54)         169 ±         11 ( 46)           196 ±         24 ( 50)         198 ±         22 ( 54)         196 ±         18 ( 51)         188 ±         25 ( 54)         169 ±         11 ( 46)           198 ±         22 ( 50)         190 ±         25 ( 54)         197 ±         20 ( 50)         190 ±         25 ( 54)         162 ±         11 ( 46)           200 ±         19 ( 50)         203 ±         18 ( 52)         198 ±         21 ( 50)         190 ±         26 ( 53)         167 ±         14 ( 46)           200 ±         19 ( 50)         198 ±         21 ( 50)         190 ±         26 ( 53)         167 ±         14 ( 46)           200 ±         19 ( 51)         20 ( 52)         198 ±         22 ( 50)         190 ±         31 ( 50)         168 ±         16 ( 45)           200 ±         20 ( 52)         198 ±         22 ( 50)         190 ±         31 ( 50)         168 ±         16 ( 45)           200 ±         20 ( 52)         198 ±         26 ( 50)         191 ±         31 ( 50)         168 ±         16 ( 45)           211 ±         21 ( 48)         20 ( 51)         20 ( 5	¥	0 0 6/KG/DAY	WG/N	O.3 MG/KG/DAY	MG/k	1.5 MG/KG/DAY	MG/K	8.0 MG/KG/DAY	40/NG/1	40.0 MG/KG/DAY	
201 ±       21 (54)       196 ±       18 (51)       188 ±       25 (54)       169 ±       13 (51)       169 ±       13 (51)       169 ±       13 (51)       169 ±       13 (51)       169 ±       14 (6)         203 ±       18 (52)       198 ±       21 (50)       190 ±       26 (53)       168 ±       16 (7)       14 (6)         203 ±       18 (52)       198 ±       22 (50)       190 ±       31 (52)       168 ±       16 (7)         205 ±       20 (52)       198 ±       26 (50)       191 ±       33 (50)       166 ±       17 (6)         210 ±       30 (51)       200 ±       28 (50)       193 ±       37 (50)       168 ±       16 (7)         210 ±       30 (51)       200 ±       28 (49)       193 ±       37 (40)       168 ±       16 (7)         210 ±       31 (51)       201 ±       30 (44)       198 ±       30 (47)       163 ±       20 (7)         210 ±       24 (50)       199 ±       31 (40)       197 ±       31 (40)       164 ±       22 (6)         210 ±       24 (50)       199 ±       31 (40)       197 ±       31 (40)       164 ±       22 (6)         200 ±       31 (40)       197 ±       31 (40	193	± 23 (50)	193 +	21 (54)	190 +	20 (52)			+ 691	11	46)+
$203 \pm 18 (52) = 198 \pm 21 (50) = 190 \pm 25 (53) = 172 \pm 14 (50)$ $203 \pm 18 (52) = 198 \pm 21 (50) = 189 \pm 26 (53) = 168 \pm 16 (50)$ $203 \pm 19 (52) = 198 \pm 22 (50) = 190 \pm 31 (52) = 167 \pm 17 (50)$ $211 \pm 19 (51) = 200 \pm 28 (50) = 191 \pm 33 (50) = 166 \pm 16 (50)$ $212 \pm 20 (51) = 202 \pm 29 (49) = 197 \pm 28 (48) = 168 \pm 16 (50)$ $210 \pm 24 (50) = 199 \pm 34 (47) = 196 \pm 35 (47) = 167 \pm 20 (50)$ $200 \pm 26 (48) = 199 \pm 34 (47) = 196 \pm 35 (47) = 167 \pm 24 (50)$ $200 \pm 28 (48) = 197 \pm 36 (45) = 197 \pm 36 (45) = 197 \pm 36 (39) = 163 \pm 16 (50)$	196	24 (50)		_	+ 961				169 ±	13 (	46)+
203 ±       18 (52)       198 ±       21 (50)       189 ±       26 (50)       190 ±       31 (52)*       167 ±       17 (52)*         205 ±       20 (52)       199 ±       26 (50)       191 ±       33 (50)*       166 ±       17 (7)         211 ±       19 (51)       200 ±       28 (50)       191 ±       37 (50)*       166 ±       15 (7)         212 ±       20 (51)       200 ±       28 (49)       197 ±       28 (48)*       163 ±       16 (7)         210 ±       21 (51)       201 ±       30 (48)       198 ±       30 (47)*       163 ±       20 (8)         210 ±       24 (50)       199 ±       34 (47)*       196 ±       35 (47)*       167 ±       22 (8)         209 ±       26 (48)       197 ±       31 (46)*       197 ±       31 (46)*       167 ±       24 (8)         208 ±       28 (48)       197 ±       33 (45)*       197 ±       33 (44)*       165 ±       21 (8)	198	22 (50)		_	197 ±	_	190 +	_		14 (	46)*
$203 \pm 9 (52) \qquad 198 \pm 22 (50) \qquad 190 \pm 31 (52)^{+} \qquad 167 \pm 17 (50)$ $205 \pm 20 (52) \qquad 199 \pm 26 (50) \qquad 191 \pm 33 (50)^{+} \qquad 166 \pm 15 (50)$ $211 \pm 19 (51) \qquad 200 \pm 28 (50) \qquad 193 \pm 37 (50)^{+} \qquad 168 \pm 16 (50)$ $212 \pm 20 (51) \qquad 202 \pm 29 (49) \qquad 197 \pm 28 (48)^{+} \qquad 163 \pm 20 (50)$ $210 \pm 21 (51) \qquad 201 \pm 30 (48) \qquad 198 \pm 30 (47)^{+} \qquad 165 \pm 20 (50)$ $210 \pm 24 (50) \qquad 199 \pm 34 (47)^{+} \qquad 196 \pm 35 (47)^{+} \qquad 167 \pm 24 (50)$ $209 \pm 26 (48) \qquad 199 \pm 33 (46) \qquad 197 \pm 31 (46)^{+} \qquad 164 \pm 24 (50)$ $208 \pm 28 (48) \qquad 197 \pm 36 (45)^{+} \qquad 197 \pm 36 (39) \qquad 163 \pm 16 (50)$	200	(05) 61 7		_	198 +		189 +	$\overline{}$	168 ±	16 (	45)*
$205 \pm 20 (52) \qquad 199 \pm 26 (50) \qquad 191 \pm 33 (50) + 166 \pm 15 (50)$ $211 \pm 19 (51) \qquad 200 \pm 28 (50) \qquad 193 \pm 37 (50) + 168 \pm 16 (60)$ $212 \pm 20 (51) \qquad 202 \pm 29 (49) \qquad 197 \pm 28 (48) + 163 \pm 20 (60)$ $210 \pm 21 (51) \qquad 201 \pm 30 (48) \qquad 198 \pm 30 (47) + 165 \pm 26 (60)$ $210 \pm 24 (50) \qquad 199 \pm 34 (47) + 196 \pm 35 (47) + 167 \pm 22 (60)$ $209 \pm 26 (48) \qquad 199 \pm 33 (46) \qquad 197 \pm 31 (46) + 164 \pm 24 (60)$ $208 \pm 28 (48) \qquad 197 \pm 36 (45) + 197 \pm 36 (39) \qquad 163 \pm 16 (60)$	200	20 (50)		_	198 +	_	190 +	_	167 ±	17 (	44)*
$211 \pm 19 (51) \qquad 200 \pm 28 (50) \qquad 193 \pm 37 (50) + 168 \pm 16 (50)$ $212 \pm 20 (51) \qquad 202 \pm 29 (49) \qquad 197 \pm 28 (48) + 163 \pm 20 (60)$ $210 \pm 21 (51) \qquad 201 \pm 30 (48) \qquad 198 \pm 30 (47) + 165 \pm 26 (60)$ $210 \pm 24 (50) \qquad 199 \pm 34 (47) + 196 \pm 35 (47) + 167 \pm 22 (60)$ $209 \pm 26 (48) \qquad 199 \pm 33 (46) \qquad 197 \pm 31 (46) + 164 \pm 24 (60)$ $208 \pm 28 (48) \qquad 197 \pm 36 (45) + 197 \pm 36 (39) \qquad 163 \pm 16 (60)$	204	± 20 (49)	205 ±	$\overline{}$	+ 661		191 ±	$\overline{}$	166 ±	15 (	43)+
$212 \pm 20 (51) \qquad 202 \pm 29 (49) \qquad 197 \pm 28 (48) + 63 \pm 20 $ $210 \pm 21 (51) \qquad 201 \pm 30 (48) \qquad 198 \pm 30 (47) + 65 \pm 26 $ $210 \pm 24 (50) \qquad 199 \pm 34 (47) + 96 \pm 35 (47) + 167 \pm 22 $ $209 \pm 26 (48) \qquad 199 \pm 33 (46) \qquad 197 \pm 31 (46) + 164 \pm 24 $ $208 \pm 28 (48) \qquad 197 \pm 36 (45) + 97 \pm 33 (44) + 165 \pm 21 $ $206 \pm 24 (42) \qquad 197 \pm 33 (40) \qquad 197 \pm 36 (39) \qquad 163 \pm 16 $	208	21 (48)	211 ±	_	200 +	$\overline{}$		_		16 (	42)*
210 ±       21 (51)       201 ±       30 (48)       198 ±       30 (47)*       165 ±       26 (47)*         210 ±       24 (50)       199 ±       34 (47)*       196 ±       35 (47)*       167 ±       22 (         209 ±       26 (48)       199 ±       33 (46)       197 ±       31 (46)*       164 ±       24 (         208 ±       28 (48)       197 ±       36 (45)*       197 ±       33 (44)*       165 ±       21 (         206 ±       24 (42)       197 ±       33 (40)       197 ±       36 (39)       163 ±       16 (	211	21 (48)	212 ±	_	202 ±	29 (49)		$\overline{}$		20 (	40)+
210 ±       24 ( 50)       199 ±       34 ( 47)*       196 ±       35 ( 47)*       167 ±       22 (         209 ±       26 ( 48)       199 ±       33 ( 46)       197 ±       31 ( 46)*       164 ±       24 (         208 ±       28 ( 48)       197 ±       36 ( 45)*       197 ±       33 ( 44)*       165 ±       21 (         206 ±       24 ( 42)       197 ±       33 ( 40)       197 ±       36 ( 39)       163 ±       16 (	212	21 (48)	210 ±	$\overline{}$		$\overline{}$		_		26 (	38)*
209 ±     26 (48)     199 ±     33 (46)     197 ±     31 (46)*     164 ±     24 (       208 ±     28 (48)     197 ±     36 (45)*     197 ±     33 (44)*     165 ±     21 (       206 ±     24 (42)     197 ±     33 (40)     197 ±     36 (39)     163 ±     16 (	212	± 21 (47)		$\overline{}$		$\overline{}$		$\overline{}$		22 (	35)*
$208 \pm 28 (48)$ $197 \pm 36 (45)$ * $197 \pm 33 (44)$ * $165 \pm 21 (48)$ $206 \pm 24 (42)$ $197 \pm 33 (40)$ $197 \pm 36 (39)$ $163 \pm 16 (49)$	211	20 (47)		$\overline{}$		$\overline{}$		$\overline{}$		24 (	34)+
$206 \pm 24 (42)$ $197 \pm 33 (40)$ $197 \pm 36 (39)$ $163 \pm 16 ($	212	20 (44)		$\overline{}$		$\overline{}$	197 ±	$\overline{}$		21 (	31)+
	210	22 (39)		_	197 ±	_	197 ±	_		16 (	26)*

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

Table 9

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINDGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT MALE FOOD CONSUMPTION MEASUREMENTS (g/day) {MEAN AND STANDARD DEVIATION (n)}

MG/KG/DAY 11.9 ± 0.5 (75) 13.2 ± 1.2 (75) 14.9 ± 1.2 (75) 15.5 ± 2.6 (75) 16.2 ± 0.8 (75) 16.2 ± 0.9 (75) 16.9 ± 0.9 (75) 16.9 ± 0.9 (75) 16.5 ± 0.6 (75) 16.5 ± 0.6 (75)	0.6 (6/DAY 0.5 (75) 1.2 (75) 2.6 (75) 0.8 (75) 1.0 (75) 0.9 (75) 0.6 (75) 0.6 (75)	0.3 12.0 ± 0.6 ( 75) 13.4 ± 0.7 ( 75) 14.9 ± 1.0 ( 75) 15.5 ± 0.8 ( 75) 16.9 ± 1.0 ( 75)* 16.8 ± 0.9 ( 75)* 17.3 ± 1.0 ( 75)* 16.5 ± 0.8 ( 75) 16.5 ± 0.9 ( 75)* 16.5 ± 0.9 ( 75)* 16.5 ± 0.9 ( 75)* 16.5 ± 0.9 ( 75)*	1.5 12.0 ± 0.7 (75) 13.1 ± 0.9 (75) 14.8 ± 0.7 (75) 15.6 ± 0.9 (75) 16.0 ± 0.9 (75) 16.2 ± 0.9 (75) 17.0 ± 0.7 (75) 16.7 ± 0.9 (75) 16.3 ± 0.7 (75)	8.0 11.7 ± 0.9 (75) 13.0 ± 0.8 (75) 14.2 ± 1.0 (75)* 15.1 ± 1.1 (75) 15.5 ± 1.2 (75)* 15.8 ± 1.0 (75)* 16.1 ± 1.1 (75)* 16.0 ± 1.0 (75)* 16.5 ± 1.0 (75)* 16.9 ± 1.4 (75)*	40.0 MG/KG/DAY 11.8 ± 1.0 (75) 13.4 ± 0.6 (75)* 14.1 ± 0.5 (75)* 14.8 ± 1.0 (75)* 14.8 ± 1.2 (75)* 15.4 ± 1.0 (75)* 15.5 ± 1.2 (75)* 15.5 ± 1.1 (75)*
15.7 ± 1.	1.1 (75)	16.2 ± 0.9 (75)*	16.1 ± 0.8 (75)	15.9 ± 1.3 (75)	15.0 ± 0.9 (75)*
15.7 + 0.	0.6 (75)	16.0 + 0.9 (75)	16.1 + 0.8 (75)*	15.7 + 1.1 (75)	15.1 + 0.9 (75)+

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

Table 9 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINDGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT MALE FOOD CONSUMPTION MEASUREMENTS (g/day) [MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	O.O MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	8.0 MG/KG/DAY	40.0 MG/KG/DAY
=	15.8 ± 0.6 (75)	15.6 ± 0.8 (75)	16.0 ± 0.9 (75)	15.9 ± 1.0 (75)	15.2 ± 0.7 (75)*
12	15.9 ± 0.6 (75)	15.9 ± 0.7 (75)	16.0 ± 1.0 (75)	15.9 ± 1.1 (75)	15.5 ± 0.9 (75)*
13	16.1 ± 0.8 (75)	16.3 ± 1.0 (75)	16.1 ± 0.9 (75)	16.4 ± 1.0 (75)	15.5 ± 1.1 (75)*
14	16.3 ± 0.5 (75)	16.4 ± 0.7 (75)	16.2 ± 0.8 (75)	16.5 ± 0.9 (75)	16.0 ± 1.2 (75)*
91	16.0 ± 0.7 (75)	16.1 ± 0.8 (75)	16.0 ± 0.6 (75)	16.0 ± 1.1 (75)	15.3 ± 1.0 (75)+
18	15.5 ± 0.6 (75)	15.8 ± 0.7 (75)	15.9 ± 0.5 (75)*	15.7 ± 0.8 (75)	15.0 ± 1.2 (75)*
20	16.5 ± 0.6 (75)	16.1 ± 0.7 (75)*	16.4 ± 0.6 (75)	16.2 ± 1.2 (75)	15.1 ± 1.4 ( 74)*
22	16.3 ± 0.7 (75)	16.4 ± 0.9 (75)	15.9 ± 0.7 (75)*	15.8 ± 1.0 ( 75)*	15.3 ± 2.0 (72)*
24	16.4 ± 0.7 (75)	16.7 ± 0.9 (75)	16.4 ± 1.2 (75)	16.7 ± 1.0 (75)	16.7 ± 1.5 (72)
26	15.7 ± 0.6 (75)	15.7 ± 1.1 (75)	15.6 ± 1.0 (75)	15.8 ± 0.9 (75)	16.7 ± 1.4 (72)*
28	15.9 ± 0.8 (65)	14.0 ± 2.7 (65)*	15.6 ± 0.8 (65)	15.6 ± 0.9 (65)	16.0 ± 2.1 ( 60)

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

Table 9 (continued)

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TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXAHYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(ROX) IN THE FISCHER RAT MALE FOOD CONSUMPTION MEASUREMENTS (g/day) [MEAN AND STANDARD DEVIATION (n)]

TEST	O.O MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	B.O MG/KG/DAY	40.0 MG/KG/DAY
30	(€.6 ± 0.9 ( 65)	16.8 ± 1.1 ( 65)	16.1 ± 0.8 ( 65)*	16.2 ± 0.8 ( 65)	17.5 ± 2.2 ( 59)*
32	16.6 ± 1.0 ( 65)	16.8 ± 1.0 (65)	16.2 ± 0.7 ( 64)*	16.1 ± 0.9 ( 65)*	18.0 ± 1.4 ( 59)*
34	16.3 ± 1.0 ( 65)	16.4 ± 1.0 ( 65)	16.3 ± 1.1 ( 64)	16.4 ± 0.9 ( 65)	16.7 ± 1.3 (57)
36	16.3 ± 0.7 ( 65)	16.5 ± 1.0 (65)	16.6 ± 0.9 ( 64)	16.4 ± 0.8 ( 65)	15.9 ± 1.9 ( 57)
38	16.4 ± 1.1 (65)	16.8 ± 1.1 ( 65)	16.8 ± 0.9 ( 64)	16.8 ± 0.9 (65)	16.1 ± 2.0 (57)
40	15.9 ± 1.5 ( 65)	16.4 ± 1.4 ( 65)	16.3 ± 0.9 ( 64)	16.4 ± 0.9 ( 62)	16.8 ± 2.9 ( 54)*
42	16.6 ± 1.2 ( 65)	17.2 ± 1.1 ( 65)	17.1 ± 1.2 ( 64)	17.1 ± 1.0 (65)	16.9 ± 3.2 (54)
44	16.6 ± 1.0 ( 65)	16.4 ± 1.1 ( 65)	16.3 ± 1.0 ( 64)	16.3 ± 0.9 (65)	16.4 ± 1.8 ( 52)
46	16.3 ± 1.1 ( 65)	16.7 ± 1.1 ( 65)	16.4 ± 1.1 ( 64)	16.1 ± 0.7 ( 65)	15.3 ± 2.4 ( 49)*
48	16.8 ± 1.0 ( 65)	16.7 ± 1.2 ( 65)	16.8 ± 1.2 ( 64)	16.7 ± 0.8 (65)	15.9 ± 1.7 ( 45)*
50	16.1 ± 1.0 ( 65)	16.4 ± 0.9 ( 64)	16.3 ± 1.9 ( 64)	16.5 ± 0.8 (65)	16.2 ± 2.2 ( 44)
52	16.0 ± 1.3 ( 60)	17.0 ± 1.3 ( 59)*	16.8 ± 1.0 ( 56)*	17.2 ± 1.1 ( 58)*	17.5 ± 2.6 ( 36)*
54	16.8 ± 1.0 (55)	17.6 ± 1.0 ( 55)*	17.4 ± 0.9 ( 53)*	17.9 ± 1.0 ( 55)*	17.6 ± 2.3 ( 32)*
56	16.6 ± 1.1 (55)	18.1 ± 2.2 ( 55)*	18.4 ± 1.7 ( 53)*	17.4 ± 1.0 (55)	16.4 ± 3.2 ( 32)
50 50	17.0 ± 1.1 ( 55)	17.0 ± 1.4 ( 55)	16.8 ± 1.3 (53)	17.4 ± 1.5 (55)	16.8 ± 2.3 (31)
9	16.4 ± 1.3 (55)	17.4 _ 1.5 ( 55)*	17.0 ± 1.7 ( 52)	17.4 ± 1.3 (55)*	16.7 ± 1.8 ( 30)
62	15.7 ± 2.5 ( 54)	16.1 ± 2.5 ( 54)	15.0 ± 2.9 ( 52)	16.2 ± 2.3 (55)	14.8 ± 4.2 ( 29)
64	14.7 ± 2.9 ( 54)	16.0 ± 3.1 ( 54)*	16.6 ± 2.2 ( 52)*	16.3 ± 2.2 (55)*	14.8 ± 3.0 (23)
99	17.4 ± 1.4 ( 54)	18.3 ± 1.5 ( 54)*	17.1 ± 2.3 (51)	18.2 ± 1.4 ( 55)*	17.9 ± 1.9 ( 23)

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

. \* NO AVAILABLE DATA

Table 9 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RATMALE FOOD CONSUMPTION MEASUREMENTS (g/day) [MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	O O MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	8.0 MG/KG/DAY	40.0 MG/KG/DAY
68	17.1 ± 1.3 ( 54)	17.1 ± 1.5 ( 54)	17.4 ± 1.7 (50)	17.9 ± 1.4 (55)*	17.5 ± 2.0 ( 23)
70	17.2 ± 1.0 ( 54)	17.6 ± 1.4 (53)	17.7 ± 1.4 (48)	17.6 ± 1.3 ( 54)	16.9 ± 2.8 ( 23)
72	16.7 ± 1.0 ( 54)	16.8 ± 1.7 (53)	17 1 ± 1.4 ( 48)	16.7 ± 1.4 ( 53)	16.3 ± 2.2 ( 20)
74	17.0 ± 1.2 ( 54)	17.0 ± 1.7 (53)	17.1 ± 1.5 ( 48)	17.2 ± 1.4 (53)	16.1 ± 3.0 ( 20)*
76	16.0 ± 1.0 ( 54)	15.9 ± 1.4 ( 52)	16.0 ± 1.3 (47)	16.3 ± 1.3 (53)	15.5 ± 1.6 ( 19)
78	15.5 ± 1.4 ( 54)	15.4 ± 2.1 (52)	15.6 ± 1.9 ( 47)	15.7 ± 1.0 ( 53)	14.6 ± 3.1 ( 19)*
80	16.0 ± 1.3 ( 54)	16.5 ± 1.6 ( 51)	15.5 ± 2.9 ( 47)	16.6 ± 1.2 ( 53)	15.5 ± 2.0 ( 17)
82	15.6 ± 1.5 ( 54)	16.0 ± 1.4 ( 51)	15.1 ± 3.0 (46)	16.3 ± 1.5 (53)	14.4 ± 3.7 ( 16)*
84	15.0 ± 1.4 ( 54)	15.4 ± 1.9 ( 51)	15.8 ± 1.8 ( 44)	15.6 ± 1.5 ( 52)	13.2 ± 4.1 ( 12)*
86	14.9 ± 1.3 (53)	15.4 ± 1.9 (50)	15.4 ± 1.9 ( 44)	15.4 ± 1.4 ( 51)	14.1 ± 2.4 ( 10)
88	15.4 ± 1.7 ( 51)	15.0 ± 2.3 (48)	15.7 ± 2.1 ( 44)	15.5 ± 1.3 ( 51)	16.6 ± 1.7 ( 9)*
06	14.8 ± 1.6 ( 50)	16.0 ± 1.6 (45)*	15.6 ± 2.2 (43)	15.0 ± 1.8 (49)	16.6 ± 1.3 ( 9)*
92	15.1 ± 3.0 (48)	16.4 ± 1.8 (45)	16.2 ± 1.9 (42)	15.8 ± 1.9 (49)	16.5 ± 1.2 ( 9)+
94	15.4 ± 1.6 ( 46)	15.7 ± 2.0 (45)	15.6 ± 1.8 (39)	14.6 ± 2.5 ( 47)	16.2 ± 2.3 ( 9)
96	14.5 ± 2.0 (45)	15.1 ± 2.3 ( 44)	14.2 ± 3.3 (38)	14.1 ± 3.5 (45)	14.9 ± 3.0 ( 9)
86	14.6 ± 2.7 ( 44)	15.7 ± 2.9 ( 42)	14.2 ± 2.9 (35)	14.2 ± 3.3 (41)	15.6 ± 4.0 ( 8)
50	15.3 ± 2.5 (41)	15.8 ± 3.0 (41)	14.8 ± 3.2 (35)	15.7 ± 2.9 (38)	17.1 ± 1.4 ( 6)
102	14.9 ± 3.2 (41)	16.3 ± 2.9 (39)	15.3 ± 2.7 ( 31)	15.8 ± 2.2 (35)	15.7 ± 4.2 ( 6)
104	15.1 ± 2.2 (39)	14.9 ± 3.2 (39)	14.0 ± 4.2 ( 30)	15.8 ± 3.6 ( 34)	13.4 ± 5.7 ( 5)

• = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 10

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TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT FEMALE FOOD CONSUMPTION MEASUREMENTS (g/day) {mean and standard deviation (n)}

AY	(22)	10.5 ± 0.4 (75)*	9.5 ± 0.5 (75)*	( 22 )	10.2 ± 0.4 (75)*	( 22 )	0.5 (75)*	0.5 (75)*	9.7 ± 0.4 (75)*	9.5 ± 0.5 (75)*	9.2 ± 0.6 (75)*	9.7 ± 0.6 (75)*
40.0 MG/KG/DAY	0.6	4.0	0.5	<b>0</b>	0.4	4.0	0.5		4.0	0.5	9.0	9.0
MG/I	9.6 ± 0.6 (75)	10.5	+I ID: 0	11.2 ± 0.4 (75)	10.2 ±	10.7 ± 0.4 (75)	10.3 ±	10.1	9.7 +	9.5	9.2	9.7 +
	(75)	( 75)*	( 75 )	( 75 )	(22)	( 75)	( 75)*	( 75 )	(75)*	( 75)*	(22)	( 75)*
O/DA)	0.5	0.7 (	0.7	9.6	0.5	9.6	9.6	9.6	0.7	10	0.5	9.6
B.O MG/KG/DAY	9.6 ± 0.5 (75)	10.2 ± 0.7 (75)*	10.8 ± 0.7 (75)	11.0 ± 0.6 (75)	11.0 ± 0.5 (75)	10.9 ± 0.6 (75)	11.1 ± 0.6 (75)*	10.8 ± 0.6 (75)	10.5 ± 0.7 (75)*	10.0 ± 0.5 (75)*	10.0 ± 0.5 (75)	10.2 ± 0.6 (75)*
Α×	( 75)	10.3 ± 0.4 (75)+	( 75)	10.6 ± 1.9 (75)*	( 75 )	10.5 ± 1.4 (75)*	11.2 ± 0.6 (75)*	( 75)	10.4 ± 0.4 (75)*	9.9 ± 0.3 (75)*	11.0 ± 3.8 (75)*	( 75 )
1.5 MG/KG/DAY	0.5	0.4	0.4	<del>-</del> .9	9.0	4.	9.0	4.0	4.0	0.3	ω 80	4.0
/9M	9.6 ± 0.5 (75)	10.3 +	10.7 ± 0.4 (75)	10.6 ±	11.1 ± 0.6 (75)	10.5 +	11.2 ±	10.7 ± 0.4 (75)	10.4 +	+1 6.6	11.0 +	10.1 ± 0.4 (75)
3 /DAY	.0 (75)	10.5 ± 0.6 (75)*	(37 ) 8.	.6 (75)	0.7 (75)	(37 (75)	11.0 ± 0.7 (75)*	( 12)	10.6 ± 1.0 (75)*	.4 (75)	(22 (75)	.6 (75)
O.3 MG/KG/DAY	9.5 ± 1.0 (75)	10.5 + 0	10.8 ± 0.8 (75)	11.5 ± 1.6 (75)	11.0 + 0	10.9 ± 0.7 (75)	11.0 + 0	10.7 ± 0.6 (75)	10.6 ± 1	9.8 ± 0.4 (75)	10.0 ± 0.5 (75)	10.0 ± 0.6 (75)
0.0 MG/KG/DAY	0.4 (75)	1.0 (75)	0.7 (75)	0.7 (75)	0.4 (75)	0.4 (75)	0.9 (75)	0.5 (75)	0.5 (75)	0.4 (75)	0.2 (75)	0.5 (75)
M/SM	+1 10: 6:	10.8 ±	10.9 ±	11.2 ±	11.2 ±	11.0 +	10.6 ±	10.6 ±	10.1 +	+ I 88.6	+1 6. 6	10.0 ±
TEST	-5	Ţ	-	8	ო	4	រេ	g	7	€0	<b>o</b>	ō

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

Table 10 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT FEMALE FOOD CONSUMPTION MEASUREMENTS (g/day)
[MEAN AND STANDARD DEVIATION (n)]

40.0 MG/KG/DAY	10.1 ± 0.8 (75)	10.1 ± 1.3 (75)*	9.9 ± 0.6 (75)*	10.6 ± 0.6 (75)	10.4 ± 0.7 (75)	9.9 ± 0.6 (75)	9.9 ± 0.7 (75)*	10.5 ± 1.1 (75)	11.3 ± 1.1 (75)*	11.3 ± 1.1 (75)*	10.9 ± 1.1 (65)*
8.0 MG/KG/DAY	10.5 ± 0.6 (75)*	10.2 ± 0.6 (75)*	10.4 ± 0.6 (75)*	10.6 ± 0.5 (75)	10.5 ± 0.5 (75)*	10.1 ± 0.5 (75)*	10.1 ± 0.5 (75)	10.1 ± 0.4 (75)*	10.5 ± 0.5 (75)*	10.4 ± 0.7 (75)	10.1 ± 0.5 ( 65)
1.5 MG/KG/DAY	10.3 ± 0.4 (75)	$9.9 \pm 0.5$ (75)	10.2 ± 0.7 (75)	10.7 ± 0.5 ( 75)*	10.3 ± 0.4 (75)	$9.9 \pm 0.5 (75)$	10.2 ± 0.4 (75)	10.2 ± 0.5 (75)*	10.4 ± 0.7 (72)*	9.7 ± 0.6 (75)*	10.0 ± 0.5 (65)+
O.3 MG/KG/DAY	10.5 ± 1.2 (75)*	9.9 ± 0.6 (75)	10.2 ± 0.5 (75)	10.7 ± 0.6 (75)	10.5 ± 0.6 (75)	9.7 ± 0.5 (75)	9.9 ± 0.5 (75)*	10.5 ± 0.5 (75)	10.7 ± 0.5 (75)*	10.0 ± 0.6 (75)*	9.6 ± 1.8 ( 65)*
O O MG/KG/DAY	10.2 ± 0.5 (75)	$9.7 \pm 0.5 (75)$	10.2 ± 0.5 (75)	10.5 ± 0.5 (75)	10.3 ± 0.5 (75)	9.8 ± 0.5 (75)	10.1 ± 0.5 (75)	10.5 ± 0.5 (75)	10.1 ± 1.0 (75)	10.3 ± 0.8 (75)	10.4 ± 0.7 ( 64)
TEST WEEK	=	12	13	14	16	18	20	22	24	26	28

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT FEMALE FOOD CONSUMPTION MEASUREMENTS (g/day) [MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	O.O MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	8.0 MG/KG/DAY	40.0 MG/KG/DAY
30	10.4 ± 0.8 ( 64)	10.4 ± 0.8 ( 65)	10.3 ± 0.6 ( 65)	10.3 ± 0.5 (65)	11.3 ± 1.0 ( 64)*
32	10.1 ± 0.5 ( 64)	10.1 ± 1.0 (65)	10.1 ± 0.4 (65)	10.2 ± 0.5 (65)	12.2 ± 2.2 ( 63)*
34	10.1 ± 0.6 ( 64)	10.5 ± 0.7 (65)*	10.2 ± 0.5 (65)	10.3 ± 0.7 ( 65)	11.9 ± 1.4 ( 63)*
36	10.0 ± 0.7 ( 64)	9.8 ± 0.6 (65)	10.3 ± 0.7 ( 65)*	10.3 ± 0.7 ( 65)	11.5 ± 1.5 ( 62)*
38	10.3 ± 0.9 ( 64)	10.8 ± 0.7 (65)*	10.6 ± 0.7 (65)	10.9 ± 0.7 (65)*	11.6 ± 1.2 ( 62)*
40	10.3 ± 0.9 ( 64)	10.5 ± 1.0 (65)	10.3 ± 1.1 (65)	10.5 ± 0.7 (65)	12.1 ± 1.3 ( 61)*
42	11.2 ± 0.6 ( 64)	11.2 ± 0.8 (65)	11.4 ± 0.7 (65)	11.0 ± 0.7 (65)	12.9 ± 1.3 ( 60)*
44	11.1 ± 0.5 ( 64)	11.0 ± 0.7 (65)	10.9 ± 0.6 (65)	11.0 ± 0.7 (65)	12.7 ± 1.1 (59)*
46	10.8 ± 0.5 ( 64)	11.2 ± 0.6 (65)*	10.9 ± 0.7 (65)	10.7 ± 0.5 (65)	12.1 ± 1.0 (59)*
48	11.4 ± 1.4 ( 64)	11.2 ± 0.8 (65)	11.3 ± 0.8 (65)	11.0 ± 0.6 (65)*	12.3 ± 0.9 (59)*
50	11.3 ± 0.8 ( 64)	11.5 ± 0.8 (65)	11.6 ± 0.6 (65)*	11.4 ± 0.8 (65)	12.8 ± 0.9 (58)*
52	11.3 ± 0.8 (57)	12.0 ± 1.6 ( 58)*	11.4 ± 0.6 (59)	11.7 ± 0.6 ( 58)	13.3 ± 1.4 (53)*
54	11.8 ± 0.9 (53)	12.1 ± 0.8 (55)	12.0 ± 0.7 (55)	11.9 ± 1.0 (55)	13.5 ± 1.5 ( 49)*
56	11.7 ± 0.9 (53)	11.8 ± 0.9 (55)	11.7 ± 0.9 (55)	11.8 ± 0.8 (55)	13.7 ± 1.1 ( 48)*
58	12.0 ± 1.0 ( 53)	12.0 ± 0.9 (55)	12.1 ± 0.9 (54)	12.2 ± 0.9 (55)	13.3 ± 1.2 ( 48)+
09	12.1 ± 0.9 (53)	12.2 ± 1.3 (55)	12.8 ± 1.0 ( 54)*	12.7 ± 1.0 ( 55)*	13.3 ± 1.7 ( 48)*
62	11.1 ± 1.8 ( 53)	11.8 ± 1.3 (55)*	11.4 ± 1.9 ( 54)	12.1 ± 1.2 ( 55)*	12.6 ± 1.7 ( 47)*
64	11.6 ± 1.0 (53)	11.4 ± 1.6 (55)	11.1 ± 1.7 ( 54)	11.4 ± 1.5 ( 54)	12.0 ± 2.1 ( 47)
99	12.6 ± 0.9 (53)	13.1 ± 1.1 ( 54)*	13.2 ± 0.9 (53)*	13.1 ± 1.0 ( 54)*	14.5 ± 1.5 ( 47)*

Table 10 (continued)

JWENIY FOUR MONIH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
FEMALE FOOD CONSUMPTION MEASUREMENTS (g/day)
[MEAN AND STANDARD DEVIATION (n)]

TEST	O.O MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	8 O MG/KG/DAY	40.0 MG/KG/DAY
89	12.7 ± 0.8 (53)	12.8 ± 1.2 (55)	13.0 ± 1.3 (53)	13.4 ± 1.4 ( 54)+	14.2 ± 1.4 ( 47)*
70	12.5 ± 1.4 (53)	13.3 ± 0.8 ( 54)*	13.2 ± 1.4 ( 53)*	13.4 ± 1.1 ( 54)*	13.8 ± 1.4 ( 47)+
7.2	12 1 ± 0.8 (52)	12.8 ± 1.0 ( 54)*	12.7 ± 1.1 ( 53)*	12.6 ± 0.9 (54)*	13.2 ± 1.8 ( 47)+
74	12.0 ± 0.9 ( 52)	11.8 ± 1.5 ( 54)	12.4 ± 1.0 (53)	12.1 ± 0.8 ( 54)	13.0 ± 1.0 ( 47)*
91	11.7 ± 0.9 (52)	11.6 ± 0.8 ( 54)	11.6 ± 0.7 ( 53)	11.5 ± 0.9 ( 54)	11.7 ± 1.1 (47)
78	12.1 ± 1.3 (51)	12.3 ± 0.8 (54)	12.2 ± 1.3 (53)	11.9 ± 1.1 ( 54)	12.2 ± 1.1 (47)
80	13.0 ± 1.0 (50)	13.0 ± 1.1 ( 54)	13.0 ± 1.1 ( 52)	13.1 ± 0.7 ( 54)	13.5 ± 1.3 (46)*
82	12.5 ± 1.0 (50)	12.5 ± 0.8 ( 54)	12.3 ± 1.3 (51)	12.3 ± 1.1 ( 54)	13.4 ± 1.3 (46)+
84	11.7 ± 1.2 (50)	12.0 ± 0.9 (53)	11.5 ± 1.0 ( 50)	11.9 ± 1.4 (53)	12.2 ± 1.4 ( 46)
98	12.2 ± 1.1 (50)	11.9 ± 1.3 ( 52)	11.9 ± 1.3 (50)	11.5 ± 1.4 ( 53)*	11.6 ± 1.6 (45)
88	12.4 ± 1.5 (50)	12.4 ± 1.2 ( 52)	12.0 ± 1.0 (50)	12.0 ± 1.8 ( 52)	12.4 ± 1.3 (44)
06	12.8 ± 1.0 (49)	12.9 ± 1.4 ( 52)	12.6 ± 1.6 (50)	12.6 ± 1.6 ( 51)	12.6 ± 1.1 (43)
92	13.1 ± 2.0 (48)	13.2 ± 1.3 ( 51)	12.7 ± 1.3 (50)	13.0 ± 1.6 (50)	12.6 ± 1.8 (42)
94	12.7 ± 1.5 ( 48)	12.1 ± 1.9 (51)	12.0 ± 1.9 (49)	13.2 ± 1.4 ( 48)	12.5 ± 2.3 (40)
96	12.5 ± 0.9 ( 48)	12.4 ± 1.4 ( 51)	12.0 ± 1.9 ( 48)	$12.7 \pm 1.7 (47)$	13.5 ± 3.8 ( 38)+
86	12.3 ± 1.2 (47)	12.6 ± 1.9 (50)	12.3 ± 2.0 ( 47)	12.2 ± 1.7 ( 47)	13.0 ± 2.9 (35)
001	12.5 ± 1.3 (47)	12.8 ± 1.3 (47)	12.5 ± 2.8 (46)	12.9 ± 2.3 (46)	12.8 ± 2.1 ( 34)
102	12.7 ± 1.4 ( 44)	12.6 ± 2.1 ( 48)	12.8 ± 2.6 (45)	13.3 ± 2.4 ( 44)	13.0 ± 1.6 ( 31)
104	12.1 ± 2.0 (43)	12.3 ± 2.4 (46)	12.7 ± 1.5 ( 43)	$12.3 \pm 1.9 (42)$	13.1 ± 2.1 ( 29)*

<sup>=</sup> SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

Table 11

IWENIY FOUR MONIH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF
HEXAHYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT
MALE HEMATOLOGY VALUES - TEST WEEK 13
[MEAN AND STANDARD DEVIATION (n)]

HEMATOLOGY VALUES	O O MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	8.0 MG/KG/DAY	40.0 MG/KG/DAY
HCT %rbc	42.5 ± 2.3 ( 9)	41.3 ± 2.6 ( 10)	42.7 ± 1.2 ( 10)	42.9 ± 2.5 ( 10)	41.5 ± 3.1 ( 10)
HGB 9/d1	17.9 ± 0.4 ( 9)	$(01) 7.0 \pm 0.7$	18.0 ± 0.2 ( 10)	18.2 ± 0.8 ( 10)	17.5 ± 0.5 ( 10)
MCV 11m3	49, ± 1, (-9)	49. ± 1. (10)	49. ± 1. (10)	49. ± 1. (10)	49. ± 1. (9)
MCH PG	20.6 ± 0.8 ( 9)	21.3 ± 0.9 ( 10)	20.6 ± 0.8 ( 10)	20.8 ± 0.4 ( 10)	21.1 ± 1.2 ( 10)
MCHC g/d1	42.8 ± 1.7 ( 9)	44.0 ± 2.1 ( 10)	42.8 ± 1.4 ( 10)	43.0 ± 0.9 (10)	43.0 ± 2.7 ( 10)
RRC×10 <sup>6</sup> /mm <sup>3</sup>	8.89 ± 0.50 ( 9)	8.55 ± 0.49 ( 10)	8.88 ± 0.32 ( 10)	$8.90 \pm 0.52$ ( 10)	8.48 ± 0.61 ( 10)
$WBC \times 10^{3}/mm^{3}$	8.6 ± 1.5 ( 8)	8.1 ± 1.1 ( 10)	8.0 ± 1.8 ( 10)	8.3 ± 1.6 (10)	8.6 ± 0.9 ( 9)
$PLT \times 10^{3}/mm^{3}$	699. ± 110. ( 10)	699, ± 135, ( 10)	756. ± 143. ( 10)	864. ± 250. ( 10)*	899. ± 81. ( 10)*
IM NEU XWOC	0, ± 0, (10)	0. ± 0. (10)	0. ± 0. (10)	0. ± 0. (10)	0. ± 0. (10)
M NEUT Zwbc	19, ± 5, (10)	22. ± 6. (10)	15. ± 2. (10)	16. ± 5. (10)	17. ± 3. (10)
LYM %wbc	79. ± 5. ( 10)	77. ± 6. (10)	83. ± 2. (10)	81. ± 4. (10)	82. ± 4. (10)
MON Xwbc	2. ± 1. (10)	1, ± 1, (10)	1, ± 1, (10)	2. ± 1. (10)	1. ± 1. (10)
FUS XWDC	t, ± t, (10)	1, ± 1, (10)	1, ± 1, (10)	1. ± 2. (10)	1, ± 1, (10)
RAS //who	0, + 0 (10)	0, ± 0, (10)	0. ± 0. (10)	0. ± 0. (10)	0. ± 0. (10)
NRRC/ 100 who	0, 1, 0, (10)	0, ± 0, (10)	0. ± 0. (10)	0. ± 0. (10)	0. ± 0. (10)

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

Table 12

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXALIYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT FEMALE HEMATOLOGY VALUES - TEST WEEK 13 {MEAN AND STANDARD DEVIATION (n)}

	6	6	•(6	6	6	6	6	<b>+</b> (6	6	6	6	6	6	6	6
DAY	.s	0.7 (	<u>۔</u>	0.5 (	1.0 (	12 (	1.4 (	<u>.</u>	O	5. (	5. (	<u> </u>	<u>.</u>	0	0
40.0 MG/KG/DAY	, +1	0 +1	+1	+1	+1	+ 0.45	+1	± 251.	+1	+1	+1	<b>+</b> 1	+1	+1	+1
Ĭ	1.14	17.5	53.	22.8	43.3	7.80	7.7	988.	ó	E		<u>-</u>	<u>-</u>	o.	ó
	4	-		0	4	7		O							
	6	10)	6	6	6	to	10)	10)	601	10)	<b>(</b> 0	<b>(</b> 0	6	10)	10)
DΑΥ	2	5 (	<u> </u>	9	0	2	$\overline{}$	$\overline{}$	<u> </u>	<b>~</b>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
8.0 MG/KG/DAY	<u>-</u>	0.5	_	9.0	1.0	0.35	0.7	193.	-	4	ທ່	-	-	o	0
WG/	ზ +1	+ i	52. ±	+1	41	8.10 +	+1	876. ±	+1	17. ±	+1	+1	+1	+1	+1 0
	41.3	17.8	55	22.2	43.4	80	9	876	Ü	<del>-</del>	8	.,	Ü	Ü	J
į	10)	10)	10)	10)	10)	10)	10)	10)	10)	10)	10)	10)	10)	10)	10)
Α×	J	J	Ū	J	J	J	_	$\overline{}$	Ū	J	Ū	J	J	_	$\overline{}$
1.5 MG/KG/DAY	2.1	0.3	6	9.0	1.7	0.36	0.1	. 66	-	Ŋ.	9	<del>-</del>	-	Ö	Ö
MG/	+1	+1	+1	+1	+1 <del></del>	+1	+1	+1	+1	+1	+1	+}	+1	+!	+1
-	41.7	17.7	52.	22.1	43.1	8.13	6. 1	695.	Ö	15.	83.	-	-	o	o
	(6	(6	(6	(6	6	6	8)	10)	10)	10)	10)	(0	10)	10)	10)
×	J	Ų	J	J	_	Ų	J	_	J	J	J	(01	J	_	_
O.3 MG/KG/DAY	1.7	6.0	<del>-</del>	1.2	2.2	£ 0.30	<del>.</del> 5	672. ± 141.	o	4	IJ.	-	-	Ö	o
MG/	+! E	+ -	52. ±	+1 60	+ l	+ i	6.5 ±	+1	+1	+1	+;	+1	+1	+1	+1
	41.3	17.7	52	22.3	43.5	8.08	9	672	0	17.	8 1.	-	-	Ċ.	0.
	(6	(0)	(0)	(0)	(6	(0)	6	(0)	(0)	(0)	(0)	(0)	(0)	(0)	<u>(</u>
×	_	_	Ü	_	_	Ċ	_	Ü	Ù	Ù	Ų	1. ( 10)	1. ( 10)	0. (10)	Ċ
0.0 KG/D	40.4 ± 1.4 ( 9)	(01 ) 1.0 ± 1.71	52. ± 1. (10)	22.7 ± 0.8 ( 10)	44.5 ± 1.3 ( 9)	7.90 ± 0.17 ( 10)	6.6 ± 1.7 ( 9)	747. ± 198. (10)	0. ± 0. (10)	18, ± 8, (10)	80, 4 8, (10)		-		0, 1 0, (10)
/9W	+1	7	<b>+</b> i	7	ئ ب	+1	+ : 9	+!	+1 -	+1	<b>+</b> :	÷ ;	+ 1 	÷ .	<b>.</b>
O O MG/KG/DAY	40.	17.	52	22	44	7.9	ė	747	0	18	80	-	-	Ç	C
٠ .	,.	_			<b>=</b>	m.	, <sub>E</sub>	<sup>6</sup> ا	,pc	JQC		•	•	1.	,pc
FMATOLOGY VALUES	HCT %rbc	HGB g/d1	MCV um <sup>3</sup>	мсн ра	MCHC g/41	۰/′90	03/1	0 /"	<b>1</b> % 0	11 % 11	%wbc	MON %wbc	FOS %wbc	RAS %wbc	00
HEMATOLOGY VALUES	HC I	HGB	MC	MCH	MCHC	$RBC\times 10^6/\text{mm}^3$	WBC×10 <sup>3</sup> /mm <sup>3</sup>	PLT×10 3/mm	IM NEU %wbc	M NEUT %wbc	LYM %wbc	NOM	F05	RAS	NRRC/100 wbc
= :						2	3	۵	-	Σ					ž

+ = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 13

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINDGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT MALE HEMATOLOGY VALUES - TEST WEEK 26 [MEAN AND STANDARD DEVIATION (n)]

HEMATOLOGY VALUES	O.O MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	8.0 MG/KG/DAY	40.0 MG/KG/DAY
HCT %rbc	44.3 ± 2.3 ( 10)	44.4 ± 2.3 (10)	42.8 ± 3.6 ( 10)	44.3 ± 1.2 ( 10)	41.6 ± 3.8 ( 10)
HGB 9/41	17.0 ± 0.7 ( 9)	17.1 ± 0.4 ( 10)	16.6 ± 1.3 ( 10)	17.2 ± 0.4 ( 10)	15.8 ± 1.9 ( 10)*
MCV Um <sup>3</sup>	49. ± 2. (10)	49. ± 1. (10)	49. ± 1. (10)	49. ± 1. (10)	49. ± 4. (10)
MCH Dg	19.2 ± 0.6 ( 9)	19.3 ± 0.5 ( 10)	19.3 ± 0.4 ( 10)	19.4 ± 0.7 ( 10)	19.3 ± 1.2 ( 10)
MCHC g/d1	39.8 ± 1.3 ( 9)	39.4 ± 1.7 ( 10)	39.6 ± 0.9 (10)	39.8 ± 1.1 ( 10)	38.8 ± 2.6 (10)
RBC×10 <sup>6</sup> /mm <sup>3</sup>	9.06 ± 0.29 ( 10)	9.02 ± 0.29 ( 10)	8.75 ± 0.72 ( 10)	9.07 ± 0.34 ( 10)	8.41 ± 1.01 ( 10)*
WBC×10 <sup>3</sup> /mm <sup>3</sup>	8.4 ± 1.5 ( 10)	7.2 ± 0.8 ( 10)*	7.6 ± 1.0 ( 10)	7.5 ± 0.9 ( 10)	9.1 ± 1.2 ( 9)
PLTx tO3/mm3	510. ± 116. ( 10)	580. ± 114. ( 10)	565. ± 161. ( 10)	703. ± 136. ( 10)*	816. ± 239. ( 10)*
IM NEU %wbc	0. ± 0. (10)	0. ± 0. (10)	0. ± 0. (10)	0. ± 0. (10)	0. ± 0. (10)
M NEUT XWDC	21. ± 14. (10)	23. ± 8. (10)	22. ± 12. ( 10)	18. ± 7. (10)	18. ± 5. (10)
LYM %wbc	77. ± 14. ( 10)	76. ± 8. (10)	77. ± 13. ( 10)	81. ± 8. (10)	82. ± 5. (10)
MON %wbc	0. ± 0. (10)	0. ± 0. (10)	0. ± 1. (10)	0. ± 1. (10)	0. ± 1. (10)
EOS %wbc	1. ± 1. (10)	0. ± 0. (10)*	1. ± 1. (10)	1. ± 1. (10)	0. ± 0. (10)*
RAS %wbc	0, ± 0, (10)	0. ± 0. (10)	0. ± 0. (10)	0. ± 0. (10)	0. ± 0. (10)
NRRC/100 who	0, ± 0, (10)	0. ± 0. (10)	0. ± 0. (10)	0. ± 0. (10)	0. ± 1. (10)

Table 14

IWENIY FOUR MONIH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
FEMALE HEMATOLOGY VALUES - TEST WEEK 26
[MEAN AND STANDARD DEVIATION (n)]

HEMATOLOGY VALUES	O.O MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	8.0 MG/KG/DAY	40.0 MG/KG/DAY
HCT %rbc	43.4 ± 1.1 ( 10)	43.2 ± 2.0 ( 10)	43.5 ± 1.8 ( 10)	42.7 ± 2.7 ( 9)	43.5 ± 1.8 ( 10)
HGB 9/41	16.9 ± 0.6 (10)	17.0 ± 0.5 ( 10)	17.0 ± 0.3 (10)	16.9 ± 0.6 ( 9)	16.8 ± 0.5 ( 10)
MCV Um3	54. ± 2. (10)	53. ± 1. ( 10)	53, ± 1, (10)	53. ± 1. (9)	54. ± 1. (10)
MCH pg	21.3 ± 0.5 ( 10)	21.4 ± 1.0 ( 10)	21.3 ± 0.6 (10)	21.4 ± 0.6 ( 9)	21.5 ± 0.4 ( 10)
MCHC g/d1	39.7 ± 1.2 (10)	40.4 ± 1.4 ( 10)	40.2 ± 1.6 ( 10)	40.5 ± 1.5 ( 9)	39.5 ± 1.0 ( 10)
RBC×10 <sup>6</sup> /mm <sup>3</sup>	8.07 ± 0.33 ( 10)	8.13 ± 0.44 ( 10)	8.19 ± 0.29 ( 10)	8.05 ± 0.47 ( 9)	$7.97 \pm 0.29 (10)$
WBC×10 <sup>3</sup> /mm <sup>3</sup>	6.1 ± 1.3 ( 10)	5.6 ± 1.8 ( 9)	5.6 ± 1.2 ( 8)	$6.7 \pm 1.0 (7)$	6.7 ± 1.1 ( 10)
PLT×10 /mm	562. ± 171. ( 10)	610. ± 158. ( 10)	534. ± 201. ( 10)	644. ± 138. (9)	638. ± 125. ( 10)
IM NEU %wbc	0. ± 0. (10)	0. ± 0. (10)	0. ± 0. (10)	0. ± 0. (9)	0. ± 0. (10)
M NEUT Xwbc	16. ± 5. (10)	15. ± 5. ( 10)	16. ± 6. ( 10)	16. ± 4. (9)	16. ± 5. ( 10)
LYM %wbc	84. ± 6. (10)	85. ± 5. (10)	84. ± 7. (10)	83. ± 5. (9)	83. ± 5. (10)
MON %wbc	1, ± 1, (10)	0. ± 0. (10)	0. ± 0. (10)	0. ± 1. (9)	1, ± 1, (10)
EOS %wbc	0. + 0. (10)	0. ± 0. (10)	1, ± 1, (10)	1. ± 1. (9)	1, ± 1, (10)
BAS %whc	0. ± 0. (10)	0. ± 0. (10)	0. ± 0. (10)	0. ± .0	0. ± 0. (10)
NRBC/100 wbc	0. ± 0. (10)	0. ± 0. (10)	0. ± 0. (10)	(6 ) ·0 ∓ ·0	0. ± 0. (10)

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

Table 15

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT MALE HEMATOLOGY VALUES - TEST WEEK 52 [MEAN AND STANDARD DEVIATION (n)]

HEMATOLOGY VALUES	O O MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	8.0 MG/KG/DAY	40.0 MG/KG/DAY
HCT %rbc	43.1 ± 1.1 ( 10)	43.5 ± 0.6 ( 10)	42.7 ± 1.0 ( 10)	43.5 ± 1.3 ( 10)	42.3 ± 1.1 ( 10)
HGR g/d1	16.7 ± 0.5 ( 10)	16.7 ± 0.2 ( 10)	16.4 ± 0.3 ( 10)	16.7 ± 0.5 ( 10)	16.0 ± 0.4 ( 10)*
MCV um3	48. ± 1. ( 10)	49. ± 1. (10)	48. ± 1. (10)	49. ± 1. (10)	49. ± 1. (10)
MCH pg	18.7 ± 0.8 ( 10)	19.0 ± 0.3 ( 10)	18.7 ± 0.4 ( 10)	19.0 ± 0.5 (10)	18.8 ± 0.5 ( 10)
MCHC g/d1	38.5 ± 0.8 ( 10)	38.3 ± 0.3 (10)	38.4 ± 0.7 ( 10)	38.3 ± 0.8 ( 10)	37.9 ± 0.4 ( 10)
RBC×10 <sup>6</sup> /mm <sup>3</sup>	8.94 ± 0.30 ( 10)	8.82 ± 0.12 ( 10)	8.83 ± 0.24 ( 10)	8.86 ± 0.32 ( 10)	8.56 ± 0.25 ( 10)*
WBC×10 /mm	7.2 ± 0.7 ( 10)	7.2 ± 1.1 ( 10)	7.7 ± 1.2 ( 10)	7.4 ± 1.3 ( 10)	8.3 ± 1.3 (10)*
PLT×10 <sup>3</sup> /mm <sup>3</sup>	563. ± 107. ( 10)	565. ± 83. (10)	544. ± 65. ( 10)	569. ± 73. ( 10)	682. ± 160. ( 10)*
IM NEU %who	0, ± 0, (10)	0. ± 0. (10)	0. ± 0. (10)	0. ± 0. (10)	0. ± 0. (10)
M NEUT %who	26. ± 4. ( 10)	29. ± 7. (10)	31. ± 9. (10)	29. ± 4. (10)	25. ± 9. (10)
LYM %wbc	72, ± 5, (10)	69. ± 7. (10)	67. ± 8. (10)	68. ± 4. (10)	73. ± 8. ( 10)
MON %wbc	1. ± 1. (10)	0. ± 0. (10)	1. ± 1. (10)	1. ± 1. (10)	1. ± 1. (10)
EUS %wbc	2. ± 1. (10)	2. ± 1. (10)	1. ± 1. (10)	2. ± 1. (10)	1, ± 1, (10)
BAS %wbc	0, ± 0, (10)	0. ± 0. (10)	0. ± 0. (10)	0. ± 0. (10)	0. ± 0. (10)
NRBC/100 WDC	1. ± 1. (10)	1. ± 1. (10)	1. ± 1. (10)	1. ± 1. (10)	1, ± 1, (10)

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

Table 16

IWINIY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT FEMALE HEMATOLOGY VALUES - TEST WEEK 52 [MEAN AND STANDARD DEVIATION (n)]

HEMATOLOGY VALUES	O.O MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	8.0 MG/KG/DAY	40.0 MG/KG/DAY
HCT %rbc	42.1 ± 1.4 ( 10)	43.7 ± 1.3 ( 10)+	42.4 ± 1.6 ( 10)	43.0 ± 1.3 ( 10)	44.5 ± 1.7 ( 10)*
HGB g/d1	16.6 ± 0.4 ( 10)	17.0 ± 0.4 ( 10)	16.6 ± 0.7 ( 10)	16.7 ± 0.4 ( 10)	16.9 ± 0.5 (10)
MCV um3	54. ± 0. (10)	54, ± 1, (10)	53. ± 1. (10)	53. ± 1. (10)	54. ± 1. (10)
мсн ра	21.4 ± 0.4 ( 10)	21.1 ± 0.5 ( 10)	21.2 ± 0.5 ( 10)	20.9 ± 0.7 ( 10)*	20.8 ± 0.5 ( 10)*
MCHC g/d1	39.4 ± 0.7 ( 10)	38.8 ± 0.6 (10)	39.1 ± 0.5 (10)	38.7 ± 0.8 (10)	37.8 ± 0.7 ( 10)*
RBC×10 <sup>6</sup> /mm <sup>3</sup>	7,75 ± 0.30 ( 10)	8.09 ± 0.29 ( 10)*	7.84 ± 0.26 ( 10)	7.99 ± 0.35 ( 10)	8.13 ± 0.32 ( 10)*
WBC×103/mm3	4.1 ± 0.7 ( 10)	4.7 ± 1.1 ( 10)	4.2 ± 0.6 (10)	5.3 ± 1.0 ( 10)*	7.4 ± 0.9 ( 10)*
$PL.T \times 10^{3}/mm^{3}$	602, ± 96, (10)	621. ± 173. ( 10)	563. ± 166. ( 10)	628. ± 107. ( 10)	550. ± 167. ( 10)
IM NEU %wbc	0. ± 0. (10)	0. ± 0. (10)	0. ± 0. (10)	0. ± 0. (10)	0. ± 0. (10)
M NEUT %wbc	26. ± 7. (10)	24. ± 5. (10)	24. ± 6. (10)	29. ± 9. (10)	23. ± 6. (10)
LYM %wbc	72. ± 8. (10)	73. ± 6. (10)	74. ± 5. (10)	70. ± 8. (10)	75. ± 6. (10)
MON %wbc	0, ± 0, (10)	1. ± 1. (10)	0. ± 1. (10)	0. ± 0. (10)	0. ± 0. (10)
EOS %wbc	$2. \pm 2. (10)$	2. ± 2. (10)	2. ± 2. (10)	1, ± 1, (10)	2. ± 1. (10)
BAS %wbc	0, ± 0, (10)	0. ± 0. (10)	0. ± 0. (10)	0. ± 0. (10)	0. ± 0. (10)
NRBC/100 who	1, + 1, (10)	1. ± 1. (10)	1. ± 1. (10)	1. ± 1. (10)	1, ± 1, (10)

Table 17

Control Control of the Parish

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXAHYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT MALE HEMATOLOGY VALUES - TEST WEEK 78
[MEAN AND STANDARD DEVIATION (n)]

-	•(6)	•(6)	6 )	(6)	(6)	6 )	•(6)	6 )	(6 )	6 )	(6)	(6 )	6 )	(6)	(6)
40.0 MG/KG/DAY	3. 89.	<del>1</del> .6	ю	1.7	1.2	1. 10	15.7	110.	o ·	<b>4</b>	<del>1</del> 5.	÷	<del>-</del>	o	<b>6</b>
MG/	+ i	+1 ເກ	+1	1D +1	+1	7.61 ±	16.2 ±	765. ±	•1	+1	+1	+1	+1	+1	+1
	36.9	14.5	48.	19.5	39.7	7.6	<b>46</b>	765	Û	26.	71.	.,		O	a
	60	<b>6</b>	<b>(</b> 0	to)	<b>(</b> 0	<b>(</b> 0 <b>)</b>	10	10)	<b>(</b> 0 <b>1</b>	10)	10)	<b>(</b> 0 <b>)</b>	10)	<b>to</b> )	<b>(</b> 0 <b>1</b>
B.O MG/KG/DAY	6.1 (	2.5 (	9	2.1 (	1.0 (	8.03 ± 1.64 (	3.0 (	+ 169. (	0.	7. (	7. (	<del>-</del>	-	0.	11.
MG/K	+1	+1	÷ .05	+ I	+1	+1 E	+1	+1	+1	+1	+1	+I	+1	+1	<b>4</b> +1
	39.6	15.6	50	19.9	39.6	<b>6</b> 0	<b>o</b>	653.	Ö	23.	73.	ю	6	Ö	4
	<b>(</b> 0 <b>)</b>	<b>(</b> 0	10)	10)	6	<b>6</b>	(ot )	10)	10)	10)	<b>(</b> 0 <b>1</b>	10)	10)*	(01	10)
OAY	1.2 (	9.6	2. (	0.8 (	0.7 (	0.33 (	1.5 (	88. (	0	to. (	12. (	3. (	2. (	0.	
1.5 MG/KG/DAY				0 +1	0 +!				+1		+1	+1	+1	+1	+1
Ž	41.0 +	16.2 ±	49. +1	19.6	39.8	8.36 ±	8 + 1	548. ±	Ö	32. ±	62	4	2	0	8
1	4	_		_	6)	₩.		Ln.							
	6	6	6	<b>6</b>	6	<u></u>	6	<b>(</b> 0	6	10	<b>6</b>	(01)	10	10	6
O.3 MG/KG/DAY	4.4	0.4 (	2. (	0.1	0.7 (	0.55 (	0.8 (	80. (	Ö	7. (	8	2. (	<del>-</del>	0	<del>-</del>
MG/K(	+1	+1	+1	+1	+1	+1	+1		+1	+1	+1	+1	+1	+1	+1
	41.2	16.2	50.	20.2	39.7	8 16	8.9	694. +	Ö	29.	68	2.	<del>-</del>	0	
	10)	10)	10)	(01	<b>(</b> 0 <b>)</b>	(0)	10)	to)	10)	10)	10)	to)	to)	10)	(0)
DAY	41.6 ± 2.1 ( 10)	16.3 ± 0.8 ( 10)	2. (10)	(01 ) 6.0	39.6 ± 0.8 (10)	8.50 ± 0.31 ( 10)	7.0 ± 1.3 (10)	674. ± 200. (10)	0. (10)	7. ( 10)	7. (10)	2. (10)	1. (10)	0. (10)	2. (10)
0.0 MG/KG/DAY	ر د	ó •1			0	0	<u>-</u> :	500							• 1
Ĭ	9	6.9	49. +	19.4 +	9	50	7.0	74.	+1 0	29. ±	68. +	+i ဗ်	+1 -	+1 0	_
İ	4	-		<del></del>	<b>е</b>										
DGY	pc	ē	۳ E	<b>5</b> 1	10/	/mm <sup>3</sup>	/mm <sup>3</sup>	PLT×10 3/mm 3	%wbc	%wbc	ρc	рc	ρç	ьc	S S S
HEMATOLDGY VALUES	HCT %rbc	нсв g/d1	MCV 11m3	мсн ра	MCHC g/d1	RRC×106/mm3	WBC>103/mm3	×103	IM NEU %wbc	M NEUT %wbc	LVM Xwbc	MON %wbc	EOS %wbc	RAS XWbc	NRRC/100 wbc
2 > U	H	H	2	2	•	RRC	WBC	PLT	I	7	۲	M	EO	8	NRRC

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

Table 18

IWFNIY FOUR MONTH CHRONIC TOXICITY/CARCINDGENICITY STUDY OF HEXALYDRO-1.3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT FEMALE HEMATOLOGY VALUES - TEST WEEK 78 [MEAN AND STANDARD DEVIATION (n)]

40.0 MG/KG/DAY	4.4 ( 9)	2.0 ( 9)	1. (9)	0.6 (9)	1.1 (9)	*(6 ) £8.0	1.4 ( 9)	172. ( 9)*	0. (9)	8. (9)	9. (9)	1. (9)	1. (9)	0. (6)	1. (9)
40.0 MG/KG/I	39.1 + 4	15.3 + 3	53. +	21.4 ± (	39.5 +	7.24 ± 0.	7.4 +	755. ± 17	+1 ·0	22. ±	75. ±	+1	+1	+1 .0	+1 
B.O MG/KG/DAY	40.7 ± 2.4 ( 9)	16.2 ± 1.0 ( 9)	53. ± 1. (9)	21.4 ± 0.4 ( 9)	40.0 ± 0.4 ( 9)	7.61 ± 0.51 ( 9)	12.7 ± 22.4 ( 9)	632. ± 138. ( 9)	(6) 0 7 0	21. ± 8. (9)	77. ± 10. ( 9)	2. ± 1. (9)	1. ± 2. (9)	0. ± 0. (9)	3. ± 3. (9)
1.5 MG/KG/DAY	41.7 ± 1.5 ( 10)	16.7 ± 0.5 ( 10)	53. ± 1. (10)	21.5 ± 0.6 ( 10)	40.3 ± 0.7 ( 10)	7.82 ± 0.34 ( 10)	4.4 ± 0.6 ( 10)	577. ± 152. ( 10)	0. ± 0. (10)	26. ± 7. (10)	71. ± 8. (10)	2. ± 2. (10)	2. ± 1. (10)	0. ± 0. (10)	3. ± 2. (10)
O 3 MG/KG/DAY	41.3 ± 1.6 ( 10)	16.4 ± 0.5 ( 10)	52. ± 1. ( 10)*	21.0 ± 0.5 ( 10)	40 2 ± 0.8 (10)	$7.90 \pm 0.27$ ( 10)	5.1 ± 1.1 ( 10)	681, ± 130, (10)	0. ± 0. (10)	23. ± 6. (10)	75. ± 6. (10)	2. ± 2. (10)	1, ± 1, (10)	0. ± 0. (10)	2. ± 1. (10)
O O MG/KG/DAY	41.6 ± 1.3 ( 9)	16.3 ± 0.8 ( 9)	53. ± 1. ( 9)	21.3 ± 0.6 ( 9)	39.6 ± 1.5 ( 9)	7.76 ± 0.29 ( 9)	4.7 ± 1.5 ( 9)	603. ± 93. ( 9)	(6) 0 + 0	27. ± 5. (9)	71. ± 7. (9)	1. ± 2. ( 9)	1. ± 1. (-9)	(6) 0 7 0	1. ± 1. (9)
HEMATOLOGY VALUES	HCT %rbc	HGB g/d1	MCV um3	MCH pg	MCHC g/d1	RBC×106/mm3	WBC×10 <sup>3</sup> /mm <sup>3</sup>	Fl Tx 10 3/mm 3	IM NEU %wbc	M NEUT %wbc	LYM %who	MON %wbc	EUS %wbc	BAS %who	NRBC/100 wbc

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

Table 19

Course Organization - Courses

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINDGENICITY STUDY OF HEYAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT MALE HEMATOLOGY VALUES - TEST WEEK 104 [MEAN AND STANDARD DEVIATION (n)]

10,7 ±       9.8 ( 10)       42 9 ±       5.8 ( 10)         15,4 ±       4.2 ( 10)       16.4 ±       2.3 ( 10)         50,4 ±       1.9 ( 10)       20.9 ±       1.0 ( 10)         38.6 ±       1.7 ( 10)       39.0 ±       0.5 ( 10)         7.61 ±       1.7 ( 10)       39.0 ±       0.5 ( 10)         10,7 ±       5.1 ( 10)       9.5 ±       6.5 ( 10)         279. ±       96. ( 10)       296. ±       44. ( 10)         29. ±       12. ( 10)       31. ±       15. ( 10)         68. ±       11. ( 10)       66. ±       16. ( 10)         2. ±       2. ±       2. ±       2. ( 10)	1) 42.7 ± 7.6 ( 10) 16.3 ± 3.5 ( 10) 15. ± 19. ( 10) 10. 22.9 ± 6.9 ( 10) 10. 38.6 ± 2.3 ( 10)	41.6 ± 5.9 ( 10) 15.8 ± 2.5 ( 10) 54. ± 5. ( 10) 21.5 ± 1.7 ( 10) 38.9 ± 1.2 ( 10) 7.51 ± 1.54 ( 10)	37.7 ± 13.4 ( 5) 13.4 ± 4.9 ( 5) 62. ± 23. ( 5) 23.5 ± 10.2 ( 5) 36.7 ± 4.4 ( 5) 6.90 ± 3.15 ( 5)
16.4 ± 2.3 ( 20.9 ± 1.0 ( 39.0 ± 0.5 ( 7.96 ± 1.32 ( 9.5 ± 6.5 ( 0. ± 0. ( 31. ± 15. ( 66. ± 16. (	16.3 ± 3.5 ( 58. ± 19. ( 22.9 ± 6.9 ( 38.6 ± 2.3 (	5.5 (1.7 (1.2 (1.54 (	4.9 ( 23. ( 10.2 ( 4.4 ( 3.15 (
53. ± 2. ( 20.9 ± 1.0 ( 39.0 ± 0.5 ( 7.96 ± 1.32 ( 9.5 ± 6.5 ( 0. ± 0. ( 31. ± 15. ( 66. ± 16. (	58. ± 19. ( 22.9 ± 6.9 ( 38.6 ± 2.3 (	5. ( 1.7 ( 1.2 ( 1.54 (	23. ( 10.2 ( 4.4 ( 3.15 (
20.9 ± 1.0 ( 39.0 ± 0.5 ( 7.96 ± 1.32 ( 9.5 ± 6.5 ( 296. ± 44. ( 0. ± 0. ( 31. ± 15. ( 66. ± 16. (	22.9 ± 6.9 ( 38.6 ± 2.3 (	1.7 ( 1.2 ( 1.54 (	10.2 ( 4.4 ( 3.15 (
39.0 ± 0.5 ( 7.96 ± 1.32 ( 9.5 ± 6.5 ( 296. ± 44. ( 0. ± 0. ( 31. ± 15. ( 66. ± 16. (	38.6 ± 2.3 (	1.2 (	3.15 (
7.96 ± 1.32 ( 9.5 ± 6.5 ( 296. ± 44. ( 0. ± 0. ( 31. ± 15. ( 66. ± 16. (		1.54 (	3.15 (
9.5 ± 6.5 ( 296. ± 44. ( 0. ± 0. ( 31. ± 15. ( 66. ± 16. (	(0) 7.77 ± 2.31 ( 10)		
296. ± 44. ( 0. ± 0. ( 31. ± 15. ( 66. ± 16. (	21.7 ± 41.1 ( 10)	30.4 ± 49.0 ( 10)	12.3 ± 4.0 ( 5)
0. ± 0. ( 31. ± 15. ( 66. ± 16. (	5) 267. ± 90. ( 10)	250. ± 83. ( 10)	259. ± 70. ( 5)
31. ± 15. ( 66. ± 16. ( 2. ± 2. (	0) 0. ± 0. (10)	0. ± 0. (9)	0. + 0. (5
11. ( 10)     66. ± 16. (       2. ( 10)     2. ± 2. (	38. ± 19. (10)	32. ± 18. ( 9)	38. ± 10. ( 5)
2, (10) 2, ± 2, (	(0) 59. ± 19. (10)	66. ± 18. ( 9)	59. ± 12. ( 5
	10) 2. ± 2. (10)	t. ± - t. (-9)	2. ± 3. (5)
1, \(\daggregarright) \(10\) 2, \(\delta\) 1, (-10)	1. ± 1. (10)	0. ± 0. (9)	1. + 1. ( 5
0 ± 0. (10) 0. ± 0. (10	10) 0. ± 0. (10)	0. ± 0. (9)	0. ± 0. (5)
2, ± 2, (10) 2, ± 2, (10)	2. ± 2. (10)	2. ± 2. (9)	5. ± 9. (5)

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

J

Table 20

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINDGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT FEMALE HEMATOLOGY VALUES - TEST WEEK 104 [MEAN AND STANDARD DEVIATION (n)]

HFMATOLOGY VALUES	O O MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	B.O MG/KG/DAY	40.0 MG/KG/DAY
HCI %rbc	43.3 ± 2.6 (10)	41.3 ± 2.9 ( 10)	43.3 ± 1.7 ( 10)	39.7 ± 6.8 ( 10)	38.0 ± 6.4 ( 10)*
HGB g/d1	(01 ) 8 0 7 6 91	16.1 ± 1.3 ( 10)	17.0 ± 0.7 ( 10)	15.4 ± 3.2 ( 10)	14.6 ± 3.0 ( 10)*
MCV um3	56. ± 3. (10)	55. ± 4. (10)	55. ± 1. ( 10)	62. ± 21. ( 10)	57, ± 5, (10)
MCH pg	22.6 ± 1.1 ( 10)	22.0 ± 1.1 ( 10)	22.2 ± 0.4 ( 10)	25.0 ± 8.6 (10)	22.7 ± 1.1 ( 10)
MCHC g/d1	39.9 ± 1.0 ( 10)	39.7 ± 1.0 ( 10)	40.0 ± 0.6 (10)	39.4 ± 2.5 ( 10)	39.0 ± 1.9 ( 10)
RBC×10 <sup>6</sup> /mm <sup>3</sup>	7.55 ± 0.52 ( 10)	7.37 ± 0.66 ( 10)	7.71 ± 0.32 ( 10)	6.85 ± 1.94 ( 10)	6.54 ± 1.50 ( 10)
WBC×10 <sup>3</sup> /mm <sup>3</sup>	5.7 ± 2.2 ( 10)	6.1 ± 2.4 ( 10)	6.4 ± 1.5 ( 10)	25.9 ± 60.1 ( 10)	20.0 ± 24.4 ( 10)
PL. Tx 103/mm3	265. ± 66. ( 10)	303. ± 43. ( 10)	255. ± 90. ( 10)	277. ± 56. (10)	323. ± 42. (10)
IM NEU %wbc	0. ± 0. (10)	0, ± 0, (10)	0. ± 0. (10)	0. + 0. (9)	0. ± 0. (10)
M NEUT %wbc	31. ± 8. (10)	30. ± 8. (10)	32. ± 7. (10)	31. ± 6. ( 9)	24. ± 14. ( 10)
LYM %wbc	$67. \pm 9. (10)$	66. ± 9. (10)	66. ± 8. (10)	67. ± 7. (9)	74. ± 14. ( 10)
MUN %wbc	0. ± 1. (10)	2. ± 2. (10)*	1. ± 1. (10)	1. ± 1. (9)	1. ± 1. (10)
EOS %wbc	2. ± 2. (10)	2. ± 1. (10)	2. ± 1. (10)	1. ± 1. (9)	1, ± 1, (10)
BAS %wbc	0. ± 1. (10)	0. ± 0. (10)	0. ± 0. (10)	(6) .0 ± .0	0. ± 0. (10)
NRBC/100 who	3. ± 2. (10)	4. ± 2. (10)	3. 1. 4. (10)	5. ± 5. (9)	8. ± 13. ( 10)

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

-- = NO AVAILABLE DATA

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT MALE CHEMISTRY VALUES - TEST WEEK 13 [MEAN AND STANDARD DEVIATION (n)]

CHEMISTRY VALUES	O.O MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	B.O MG/KG/DAY	40.0 MG/KG/DAY
เค/ตะกาย	105. ± 15. ( 10)	101. ± 19. ( 10)	106. ± 17. ( 10)	99. ± 13. ( 10)	87. ± 14. ( 10)*
8UN mg/d1	19. ± 14. ( 10)	14. ± 1. (10)	16. ± 2. (10)	17. ± 3. (10)	14. ± 2. (10)
ALT 10/1	20. ± 6. (10)	18. ± 6. (10)	22. ± 4. ( 8)	24. ± 5. (9)	16. ± 8. ( 10)
TRIG mg/d1	138. ± 72. ( 8)	101. ± 47. (10)	138, ± 83, (-8)	108. ± 29. ( 9)	74. ± 24. ( 6)*
CHOL mg/d1	70. ± 19. ( 8)	58. ± 8. (10)	79. ± 18. ( 8)	73. ± 19. ( 10)	87. ± 21. ( 9)
D BIL mg/d1	0.0 ± 0.1 (10)	0.0 ± 0.0 (10)	0.0 ± 0.1 ( 10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)
T BIL mg/d1	0.24 ± 0.11 ( 8)	0.24 ± 0.16 ( 10)	0.23 ± 0.10 ( 8)	0.23 ± 0.10 ( 10)	0.24 ± 0.15 ( 10)
CAL mg/d1	11.6 ± 0.7 ( 9)	11.3 ± 1.1 ( 10)	11.8 ± 0.9 ( 10)	11,4 ± 0.9 ( 10)	11.4 ± 1.3 ( 10)
Na mMo1/1	154, ± 11, (-10)	157. ± 9. (10)	151, ± 9, (10)	151, ± 8, (10)	153. ± 7. ( 10)
K mMo1/1	5.5 ± 0 6 ( 10)	5.4 ± 0.6 ( 10)	5.2 ± 0.4 ( 10)	5.4 ± 0.4 ( 10)	5.5 ± 0.4 ( 10)
C1 Meq/1	98. ± 2. (10)	97. ± 3. (10)	96. ± 2. (10)	97. ± 3. (10)	95. ± 2. ( 10)
CPK 1u/1	241, ± 110, ( 10)	185. ± 105. ( 10)	258. ± 70. ( 10)	255. ± 127. ( 10)	352, ± 134, ( 10)
LDH 1u/1	837. ± 230. (10)	713. ± 382. ( 10)	917. ± 258. ( 10)	740. ± 469. ( 10)	1040. ± 360. ( 10)
ALK P 10/1	94. ± 12. ( 10)	91. ± 12. ( 10)	92. ± 6. (10)	93. ± 16. ( 10)	91. ± 15. ( 10)

Table 22

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT FEMALE CLINICAL CHEMISTRY VALUES - TEST WEEK 13 [MEAN AND STANDARD DEVIATION (n)]

CLIN CHEM VARIABLES	0.0 MG/KG/DAY		O.3 MG/KG/DAY	1 5 MG/KG/DAY	8.0 MG/KG/DAY	40.0 MG/KG/DAY
פרח שש/פו	94 ± 10 ( 9)	6	89 ± 11 ( 10)	95 ± 16 (10)	95 ± 18 ( 10)	90 ± 11 (10)
BUN mg/d1	19 ± 10 (	6	16 ± 3 (10)	16 ± 2 ( 10)	14 ± 2 ( 10)	16 ± 2 ( 10)
ALT IU/1	22 ± 3 ( 9)	6	22 ± 5 ( 10)	18 ± 4 ( 10)	17 ± 3 (10)*	19 ± 6 ( 10)
TRIG mg/dl	51 ± 28 ( 9)	6	44 ± 26 (10)	65 ± 48 ( 6)	64 ± 41 (7)	52 ± 36 ( 9)
CHOL mg/dl	86 ± 22 (	8	96 ± 24 ( 8)	87 ± 10 ( 7)	82 ± 15 ( 9)	84 ± 20 ( 9)
D BIL mg/dl	0.1 ± 0.1 ( 9)	6	0.1 ± 0.1 ( 10)	0.0 ± 0.0 (10)*	0.0 ± 0.1 ( 10)	0.0 ± 0.0 ( 10)*
T BIL mg/dl	0.34 ± 0.20 ( 8)	8)	0.25 ± 0.20 ( 7)	0.20 ± 0.13 ( 10)	0.26 ± 0.21 ( 9)	0.26 ± 0.21 ( 10)
CAL mg/dl	11.3 ± 0.9 (	6	11.8 ± 0.9 (10)	12.0 ± 0.7 ( 10)	11.1 ± 0.9 ( 10)	11.0 ± 0.7 ( 10)
Na mMo1/1	153 ± 9 (	6	149 ± 11 ( 10)	150 ± 7 (10)	150 ± 6 ( 10)	154 ± 12 ( 10)
K mMo1/1	5.3 ± 0.9 (	6	5.1 ± 0.7 ( 10)	5.1 ± 0.4 (10)	5.2 ± 0.5 ( 10)	5.7 ± 0.5 ( 10)
C1 Meq/1	) E + 86	6	98 ± 4 ( 10)	98 ± 3 (10)	98 ± 2 (10)	99 ± 3 (10)
CPK Iu/1	199 ± 73 (	6	176 ± 92 ( 10)	194 ± 72 (10)	191 ± 68 (10)	196 + 66 ( 10)
LDH Iu/1	791 ± 227 (	6	689 ± 284 ( 10)	667 ± 247 (10)	692 ± 217 ( 10)	714 ± 271 ( 10)
ALK P Iu/1	68 ± 7 (	6	77 ± 9 ( 10)	68 ± 11 (10)	71 ± 9 (10)	*(01 ) 6 + 62

Table 23

!WENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF
HE\*AHYDRO-1,3.5-TRINITRO-1,3.5-TRIAZINE(RDX) IN THE FISCHER RAT
MALE CLINICAL CHEMISTRY VALUES - TEST WEEK 26
[MEAN AND STANDARD DEVIATION (n)]

CLIN CHEM VARIABLES	0.0 MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	8 O MG/KG/DAY	.10.0 MG/KG/DAY
GLU mg/d1	122 ± 37 ( 9)	115 ± 11 ( 10)	117 ± 45 ( 10)	110 ± 20 ( 10)	(6 ) 81 7 86
BUN mg/d1	15 ± 2 ( 9)	14 ± 1 ( 10)	17 ± 5 (10)	15 ± 1 ( 10)	(6 ) 8 + 91
ALT 10/1	29 ± 4 ( 9)	25 ± 5 ( 10)	26 ± 4 ( 10)	19 + 5 ( 10)+	21 ± 6 ( 9)*
TRIG mg/dl	222 ± 95 ( 9)	153 ± 39 ( 10)+	177 ± 62 ( 10)	158 ± 42 ( 10)+	57 + 28 ( 9)+
T PRO g/d1	6.7 ± 0.3 ( 6)	6.9 ± 0.3 (10)	6.6 ± 0.6 ( 8)	6.7 ± 0.3 ( 6)	6.5 ± 0.4 ( 9)
ALB g/d1	4.4 ± 0.1 ( 9)	4.4 ± 0.1 ( 10)	4.3 ± 0.2 ( 10)	4,4 ± 0,1 ( 10)	4.3 ± 0 4 ( 9)
CHOL mg/dl	78 ± 14 ( 9)	72 ± 10 ( 10)	70 ± 12 ( 10)	19 + 8 (10)	•(6 ) 6 ÷ 09
D BIL mg/dl	0.07 ± 0.03 ( 9)	0.05 ± 0.02 ( 10)	0.08 ± 0.04 ( 10)	0.05 ± 0.01 (-10)	0.05 ± 0.02 (-9)
T BIL mg/dl	0.21 ± 0.07 ( 9)	0.21 ± 0.09 ( 10)	$0.22 \pm 0.09 (-10)$	0 16 ± 0.04 ( 10)	(6 ) 90 0 7 51 0
CAL mg/d1	10.4 ± 0.5 ( 9)	10.3 ± 0.6 ( 10)	10.3 ± 0.5 ( 10)	10,4 ± 0.5 ( 10)	10.0 ± 0.5 ( 9)
Na mMo1/1	150 ± 4 ( 9)	151 ± 5 ( 10)	153 ± 4 ( 10)	152 ± 4 ( 10)	151 ± 3 ( 9)
K mMo1/1	5.1 ± 0.6 ( 9)	5.1 ± 0.6 ( 10)	5.1 ± 0.5 ( 10)	5.3 ± 0.4 ( 10)	5.7 ± 0.4 ( 9)*
C1 Meq/1	100 ± 4 ( 9)	101 ± 4 ( 10)	103 ± 2 ( 10)	60 + 66	102 ± 2 ( 9)
CPK 1u/1	444 + 445 ( 9)	278 ± 73 (10)	422 ± 288 ( 10)	317 ± 133 ( 10)	598 ± 215 ( 9)
LDH 1u/1	558 ± 349 ( 9)	674 ± 89 (10)	108 + 368 ( 9)	(01 ) 621 7 699	1171 ± 454 ( 9)+
ALK P IU/1	72 ± 7 ( 9)	72 ± 6 ( 10)	73 ± 12 ( 9)	70 ± 6 ( 10)	81 ± 19 ( 9)
GL08 g/d1	2.3 ± 0.4 ( 6)	2.5 ± 0.3 ( 10)	2.3 ± 0.4 ( 8)	2.3 ± 0.4 ( 6)	2.3 ± 0 3 ( 9)
ALB/GLOB	2.0 ± 0.3 (-6)	1.8 ± 0.3 (10)	2.0 ± 0.4 ( 8)	1.9 ± 0.3 (-6)	1.9 ± 0 4 ( 9)

. = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

Table 24

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINDGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT FEMALE CLINICAL CHEMISTRY VALUES - TEST WEEK 26 [MEAN AND STANDARD DEVIATION (n)]

CLIN CHEM VARIABLES	O.O MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	B.O MG/KG/DAY	40.0 M:3/KG/DAY
GLU mg/d1	103 ± 7 (10)	92 ± 3 ( 10)	101 ± 15 (10)	100 ± 18 ( 10)	90 ± 15 (10)
BUN mg/dl	18 ± 3 (10)	16 ± 2 (10)	16 ± 1 (10)	16 ± 1 (10)	16 ± 3 (10)
ALT 10/1	20 ± 6 ( 10)	21 ± 4 ( 10)	22 ± 4 ( 10)	19 ± 4 ( 10)	16 ± 2 ( 10)*
TRIG mg/d1	73 ± 34 (10)	94 ± 32 (10)	73 ± 33 ( 10)	63 ± 27 (10)	44 ± 15 ( 10)
T PRO g/d1	6.6 ± 0.4 ( 9)	$6.7 \pm 0.4 (6)$	6.8 ± 0.3 (10)	6.6 ± 0.3 (10)	6.3 ± 0.3 ( 8)
ALB 9/d)	4.4 ± 0.1 ( 10)	4.5 ± 0.2 ( 10)	4.5 ± 0.2 ( 10)	4.5 ± 0.2 ( 10)	$4.2 \pm 0.1 (10)$
CHOL mg/dl	112 ± 12 ( 10)	121 ± 12 ( 10)	120 ± 11 ( 10)	117 ± 16 (10)	101 ± 11 (10)
D BIL mg/d1	0.05 ± 0.01 ( 10)	0.06 ± 0.05 ( 10)	0.06 ± 0.03 (10)	0.06 ± 0.04 ( 10)	0.05 ± 0.01 ( 10)
T BIL mg/dl	0.17 ± 0.05 ( 10)	0.18 ± 0.11 ( 10)	0.18 ± 0.09 (10)	0.18 ± 0.10 ( 10)	0.15 ± 0.03 ( 10)
CAL mg/d1	10.1 ± 0.6 (10)	10.4 ± 0.6 ( 10)	10.3 ± 0.5 ( 10)	10.1 ± 0.4 ( 10)	10.3 ± 0.4 ( 10)
Na mMo1/1	151 ± 5 ( 10)	151 ± 4 ( 10)	150 ± 3 (10)	150 ± 4 ( 10)	151 ± 4 ( 10)
K mMo1/1	5.3 ± 0.3 ( 10)	5.3 ± 0.4 ( 10)	5.1 ± 0.6 (10)	5.2 ± 0.5 ( 10)	5.1 ± 0.3 (10)
C1 Meq/1	105 ± 5 (10)	103 ± 5 (10)	103 ± 4 (10)	103 ± 4 (10)	104 ± 7 (10)
CPK 1u/1	556 ± 308 ( 10)	608 ± 763 ( 10)	691 ± 611 (10)	409 ± 196 (10)	495 ± 324 ( 10)
LDH Iu/1	724 ± 152 ( 10)	755 ± 270 ( 10)	693 ± 170 ( 9)	638 ± 304 (10)	653 ± 233 (10)
ALK P IU/1	61 ± 10 (10)	71 ± 10 (10)	63 ± 15 (10)	72 ± 12 ( 10)	69 ± 14 ( 10)
GL0B g/d1	2.2 ± 0.3 ( 9)	2.2 ± 0.4 ( 6)	2.3 ± 0.3 (10)	2.1 ± 0.3 ( 10)	$2.1 \pm 0.3$ (8)
ALB/GLOB	2.0 ± 0.3 ( 9)	2.0 ± 0.3 ( 6)	2.0 ± 0.3 ( 10)	2.1 ± 0.3 ( 10)	2.1 ± 0.3 ( 8)

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Table 25

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINDGENICITY STUDY OF HEXAHYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT MALE CLINICAL CHEMISTRY VALUES - TEST WEEK 52 [MEAN AND STANDARD DEVIATION (n)]

CLIN CHEM VARIABLES	O.O MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	8.0 MG/KG/DAY	40.0 MG/KG/DAY
פרח שפ/מו	129 ± 26 ( 10)	130 + 10 (10)	120 ± 18 ( 10)	125 ± 14 ( 10)	105 ± 13 ( 10)*
BUN mg/d1	14 ± 2 ( 10)	14 ± 1 ( 10)	14 ± 2 ( 10)	14 ± 1 (10)	17 ± 1 ( 10)*
ALT 10/1	88 ± 32 (10)	70 ± 36 (10)	62 ± 22 (10)	52 ± 21 (10)*	29 ± 13 ( 10)*
TRIG mg/dl	159 ± 71 ( 10)	130 ± 57 ( 10)	115 ± 36 (10)	117 ± 62 (10)	41 ± 13 ( 9)*
T PR0 9/d1	7.1 ± 0.3 ( 10)	7.2 ± 0.4 ( 10)	6.9 ± 0.4 ( 10)	7.1 ± 0.4 ( 10)	6.7 ± 0.2 ( 10)*
ALB g/d1	4.2 ± 0.2 ( 10)	4.1 ± 0.1 (10)	4.1 ± 0.2 (10)	4.1 ± 0.1 ( 10)	4.3 ± 0.3 (10)
CHOL mg/dl	103 ± 22 ( 10)	93 ± 18 ( 10)	91 ± 12 ( 10)	95 ± 14 (10)	77 ± 17 ( 10)*
D BIL mg/dl	0.11 ± 0.04 ( 10)	0.09 ± 0.06 ( 10)	0.09 ± 0.06 ( 10)	0.08 ± 0.05 ( 10)	0.10 ± 0.08 ( 9)
T BIL mg/d1	0.39 ± 0.23 ( 10)	0.39 ± 0.28 ( 10)	0.33 ± 0.25 ( 10)	0.29 ± 0.25 ( 10)	0.34 ± 0.23 ( 9)
CAL mg/d1	11.1 ± 0.6 ( 10)	11.1 ± 0.5 ( 10)	10.6 ± 0.5 ( 10)	11.1 ± 0.5 ( 10)	10.7 ± 0.3 (10)
Na mMo1/1	152 ± 14 ( 10)	158 ± 5 ( 10)	156 ± 11 ( 10)	153 ± 14 ( 10)	156 ± 9 ( 10)
K mMo1/1	4.9 ± 0.3 (10)	5.0 ± 0.2 (10)	5.2 ± 0.5 ( 10)	5.0 ± 0.6 (10)	5.6 ± 0.7 ( 10)*
CPK 1u/1	292 ± 236 ( 10)	175 ± 76 (10)	766 ± 1351 ( 10)	454 ± 525 ( 10)	352 ± 429 ( 10)
ALK P 10/1	62 ± 3 ( 3)	61 ± 6 ( 3)	68 ± 11 ( 4)	71 ± 5 (3)	67 ± 10 ( 4)
GL08 g/d1	2.9 ± 0.2 ( 10)	3.1 ± 0.5 ( 10)	2.8 ± 0.3 ( 10)	3.0 ± 0.4 (10)	2.4 ± 0.3 ( 10)+
ALB/GL08	1.5 ± 0.1 ( 10)	1.4 ± 0.3 ( 10)	1.5 ± 0.2 ( 10)	1.4 ± 0.2 ( 10)	1.8 ± 0.5 ( 10)*

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

Table 26

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXAHYDRO-1.3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT FEMALE CLINICAL CHEMISTRY VALUES - TEST WEEK 52 [MEAN AND STANDARD DEVIATION (n)]

CLIN CHEM VARIABLES GLU ma/d)	0.0 MG/KG/DAY 104 + 11 (10)	0.3 MG/KG/DAY 113 + 15 (10)	1.5 MG/KG/DAY 108 + 15 (10)	8.0 MG/KG/DAY 105 + 18 ( 10)	40.0 MG/KG/DAY 100 ± 12 (10)
BUN mg/dl	16 ± 2 ( 10)	16 ± 2 ( 10)	17 ± 2 ( 10)	17 ± 2 ( 10)	17 ± 3 ( 10)
ALT IU/1	42 ± 21 (10)	42 ± 23 (10)	39 ± 15 (10)	31 ± 14 ( 10)	41 ± 36 (10)
TRIG mg/d1	73 ± 30 (10)	105 ± 57 ( 10)	56 ± 11 (10)	62 ± 36 (10)	36 ± 8 (10)*
T PRO 9/41	7.6 ± 0.4 ( 10)	7.6 ± 0.6 (10)	7.5 ± 0.4 ( 10)	7.0 ± 0.5 (10)*	6.6 ± 0.4 (10)*
ALB g/d1	4.6 ± 0.2 ( 10)	4.5 ± 0.3 (10)	4.5 ± 0.3 ( 10)	4.4 ± 0.2 ( 10)*	4.1 ± 0.1 ( 10)*
CHOL mg/d1	128 ± 11 ( 10)	133 ± 13 (10)	138 ± 20 (10)	136 ± 18 ( 10)	*(01 ) 4 7 7 86
D BIL mg/d1	0.09 ± 0.06 (10)	0.08 ± 0.04 ( 10)	0.08 ± 0.06 ( 10)	0.07 ± 0.05 ( 10)	0.10 ± 0.07 ( 10)
T BIL mg/dl	0.36 ± 0.28 ( 10)	0.30 ± 0.22 ( 10)	0.36 ± 0.27 ( 10)	0.25 ± 0.21 ( 10)	$0.37 \pm 0.29 (10)$
CAL mg/dl	11.1 ± 0.6 ( 10)	11.3 ± 0.7 ( 10)	11.2 ± 0.8 ( 10)	10.8 ± 0.6 (10)	10.7 ± 0.5 ( 10)
Na mMo1/1	158 ± 12 ( 10)	157 ± 15 ( 10)	156 ± 7 (10)	157 ± 7 ( 10)	150 ± 10 ( 10)
K mM01/1	4.9 ± 0.5 ( 10)	5.0 ± 0.6 (10)	4.9 ± 0.4 (10)	5.0 ± 0.3 (10)	4.8 ± 0.6 ( 10)
CPK Iu/1	320 ± 255 ( 10)	226 ± 107 ( 10)	359 ± 556 (10)	241 ± 291 ( 10)	398 ± 311 ( 10)
ALK P IU/1	45 ± 10 ( 3)	56 ± 8 (3)	48 ± 3 ( 3)	46 ± 7 ( 4)	71 ± 19 ( 3)*
GL08 g/d1	3.0 ± 0.4 (10)	3.1 ± 0.4 (10)	2.9 ± 0.3 (10)	$2.7 \pm 0.4 (10)$	2.5 ± 0.4 ( 10)*
ALB/GL08	1.6 ± 0.2 ( 10)	1.5 ± 0.2 ( 10)	1.6 ± 0.2 ( 10)	1.7 ± 0.2 ( 10)	1.6 ± 0.2 ( 10)

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

-- = NO AVAILABLE DATA

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TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT MALE CLINICAL CHEMISTRY VALUES - TEST WEEK 78 [MEAN AND STANDARD DEVIATION (n)]

CLIN CHEM	O.O MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	8.0 MG/KG/DAY	40.0 MG/KG/DAY
GLU mg/d1	115 ± 25 ( 10)	116 ± 13 ( 10)	112 ± 21 (10)	113 ± 13 (10)	*(01 ) 11 + 96
BUN mg/dl	13 ± 2 ( 10)	14 ± 2 ( 10)	14 ± 1 ( 10)	13 ± 2 ( 10)	14 ± 6 ( 10)
ALT IU/1	51 ± 10 ( 10)	49 ± 16 ( 10)	56 ± 28 ( 10)	57 ± 20 (10)	74 ± 105 ( 10)
TRIG mg/d1	143 ± 52 ( 10)	143 ± 48 (10)	143 ± 75 ( 10)	144 ± 77 ( 10)	44 ± 23 (10)*
T PR0 g/d1	7.0 ± 0.6 (10)	6.6 ± 0.2 ( 10)	6.8 ± 0.7 ( 10)	7.4 ± 1.1 ( 10)	6.5 ± 0.5 ( 10)
ALB g/d1	4.2 ± 0.2 ( 10)	4.2 ± 0.1 (10)	4.1 ± 0.2 ( 10)	4.2 ± 0.3 ( 10)	4.1 ± 0.2 ( 10)
CHOL mg/d1	142 ± 36 (10)	128 ± 26 ( 10)	132 ± 50 ( 10)	119 ± 32 ( 10)	*(01 ) 18 + 96
D BIL mg/dl	0.05 ± 0.02 ( 10)	0.05 ± 0.01 ( 10)	0.07 ± 0.02 ( 10)	0.07 ± 0.03 ( 10)	0.06 ± 0.04 ( 10)
T BIL mg/dl	0.17 ± 0.04 ( 10)	0.19 ± 0.03 ( 10)	0.21 ± 0.05 ( 10)	0.22 ± 0.08 ( 10)	0.22 ± 0.19 ( 10)
CAL mg/d1	10.5 ± 0.3 ( 10)	10.7 ± 0.3 (10)	10.4 ± 0.3 ( 10)	10.5 ± 0.5 (10)	10.7 ± 0.6 ( 10)
Na mMo1/1	144 ± 2 ( 10)	145 ± 2 ( 10)	144 ± 2 ( 10)	145 ± 2 ( 10)	144 ± 3 ( 10)
K mMo1/1	4.6 ± 0.4 ( 10)	4.6 ± 0.3 (10)	4.8 ± 0.3 (10)	5.0 ± 0.6 ( 10)*	5.1 ± 0.6 ( 10)*
C1 Meq/1	103 ± 2 (10)	103 ± 2 (10)	103 ± 2 ( 10)	94 ± 33 (10)	104 ± 3 (10)
CPK Iu/1	436 ± 546 (10)	202 ± 153 ( 10)	482 ± 516 ( 10)	220 ± 156 ( 10)	369 ± 310 (10)
GL08 g/d1	2.8 ± 0.5 (10)	2.4 ± 0.2 ( 10)	2.7 ± 0.6 (10)	$3.2 \pm 0.9 (10)$	2.4 ± 0.4 ( 10)
ALB/GLOB	1.5 ± 0.2 ( 10)	1.8 ± 0.2 ( 10)	1.6 ± 0.3 ( 10)	1.4 ± 0.3 ( 10)	1.8 ± 0.2 ( 10)

Table 28

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT FEMALE CLINICAL CHEMISTRY VALUES - TEST WEEK 78 [MEAN AND STANDARD DEVIATION (n)]

CLIN CHEM	0.0 MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	8.0 MG/KG/DAY	40.0 MG/KG/DAY
GLU mg/dl	106 ± 13 ( 10)	108 ± 11 (10)	110 ± 10 (10)	104 ± 8 (10)	89 ± 11 ( 10)*
BUN mg/dl	15 ± 2 (10)	14 ± 2 (10)	15 ± 2 ( 10)	15 ± 1 ( 10)	17 ± 4 ( 10)
ALT 14/1	37 ± 5 (10)	38 ± 6 (10)	39 ± 10 (10)	39 ± 14 (10)	36 ± 9 (10)
TRIG mg/dl	99 ± 53 (10)	147 ± 75 ( 10)*	78 ± 24 ( 10)	68 ± 20 (10)	38 ± 10 ( 10)*
T PR0 g/d1	7.0 ± 0.6 (10)	7.7 ± 1.0 (10)	7.2 ± 0.4 ( 10)	7.0 ± 0.7 (10)	6.8 ± 0.6 (10)
ALB g/d1	4.6 ± 0.2 ( 10)	4.7 ± 0.3 (10)	4.7 ± 0.2 (10)	4.5 ± 0.3 (10)	4.3 ± 0.2 ( 10)*
CHOL mg/dl	119 ± 15 ( 10)	124 ± 18 ( 10)	124 ± 28 ( 10)	123 ± 20 ( 10)	120 ± 38 ( 10)
D BIL mg/d1	0.04 ± 0.01 ( 10)	0.05 ± 0.03 ( 10)	0.04 ± 0.02 ( 10)	$0.04 \pm 0.02 (10)$	0.03 ± 0.02 ( 10)
T BIL mg/dl	0.14 ± 0.03 ( 10)	0.16 ± 0.05 ( 10)	0.13 ± 0.04 ( 10)	0.15 ± 0.09 ( 10)	0.11 ± 0.03 ( 10)
CAL mg/dl	10.5 ± 0.3 (10)	10.5 ± 0.4 ( 10)	10.5 ± 0.6 ( 10)	10.5 ± 0.5 ( 10)	10.4 ± 0.4 ( 10)
Na mMo1/1	142 ± 2 ( 10)	141 ± 3 (10)	143 ± 2 ( 10)	143 ± 2 ( 10)	143 ± 3 ( 10)
K mMo1/1	4.6 ± 0.3 (10)	4.5 ± 0.5 (10)	4.4 ± 0.2 (10)	4.5 ± 0.3 (10)	4.6 ± 0.3 (10)
C1 Meq/1	103 ± 3 ( 10)	91 ± 32 (10)	102 ± 1 ( 10)	102 ± 3 ( 10)	102 ± 2 ( 10)
CPK 1u/1	247 ± 130 ( 10)	210 ± 184 ( 10)	204 ± 115 ( 10)	271 ± 268 ( 10)	295 ± 378 ( 10)
GLOB g/d1	2.5 ± 0.5 ( 10)	3.0 ± 0.7 ( 10)+	2.5 ± 0.3 (10)	2.5 ± 0.5 ( 10)	2.5 ± 0.5 ( 10)
ALB/GLOB	1.9 ± 0.3 (10)	1.6 ± 0.3 (10)	1.9 ± 0.2 ( 10)	1.9 ± 0.3 (10)	1.7 ± 0.3 ( 10)

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

Table 29

'WENTY FOUR MONTH CHRONIC TOXICITY/CARCINDGENICITY STUDY OF
HE\*AHYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT
MALE CLINICAL CHEMISTRY VALUES - TEST WEEK 104
[MEAN AND STANDARD DEVIATION (n)]

CLIN CHEM VARIABLES	O.O MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	8 O MG/KG/DAY	40.0 MG/KG/DAY
GLU mg/dl	111 ± 9 (10)	106 ± 17 ( 9	87 ± 33 ( 9)*	107 ± 15 (10)	102 ± 9 ( 4)
BUN mg/d1	19 + 3 (10)	19 + 7 ( 9	9) $24 \pm 21 (9)$	19 ± 7 (10)	20 ± 3 ( 4)
ALT 10/1	44 ± 23 (10)	42 ± 12 ( 9	(6) 60 7 09 (6)	46 ± 28 ( 10)	60 ± 27 ( 4)
TRIG mg/d1	139 ± 55 ( 10)	158 ± 82 ( 9	9) 118 ± 66 (9)	122 ± 61 ( 10)	67 ± 22 ( 4)
T PRO 9/41	6.4 ± 0.3 (10)	6.3 ± 0.2 ( 9	$9) \qquad 6.4 \pm 0.7 \ (9)$	6.5 ± 0.6 (10)	63 ± 02 (4)
4LB g/d1	3.7 ± 0.2 ( 10)	3.7 ± 0.2 ( 9	$9) \qquad 3.7 \pm 0.4 (9)$	3.6 ± 0.5 ( 10)	$3.7 \pm 0.1 (-4)$
CHOL mg/dl	156 ± 61 ( 10)	179 ± 50 ( 9	9) 215 ± 73 ( 9)	186 ± 54 ( 10)	146 ± 26 ( 4)
D BIL mg/d1	0.08 ± 0.02 ( 10)	9 ) 60.0 + 60.0	9) 0.11 ± 0.07 (9)	0.08 ± 0.03 ( 10)	0.08 ± 0.05 ( 4)
T BIL mg/d1	0.25 ± 0.09 ( 10)	0.29 ± 0.09 ( 9	9) 0.30 ± 0.11 ( 9)	0.28 ± 0.13 ( 10)	0.26 ± 0.13 (-4)
CAL mg/dl	10.6 ± 0.3 (10)	10.7 ± 0.4 ( 9	$9)  10.7 \pm 0.3 (9)$	10.7 ± 0.3 (10)	10.6 ± 0.5 ( 4)
Na mMo1/1	142 ± 2 ( 10)	142 ± 2 ( 9	9) 143 ± 2 (9)	143 ± 3 ( 10)	143 ± 2 ( 4)
K mMo1/1	4.7 ± 0.3 ( 10)	4.6 ± 0.6 ( 9	$9) \qquad 4.6 \pm 0.5 (9)$	$4.7 \pm 0.5 (10)$	4,7 ± 0.4 ( 4)
C1 Meq/1	112 ± 3 (10)	110 ± 2 ( 9	9) 111 ± 3 ( 9)	112 ± 4 ( 10)	109 ± 1 ( 4)*
CPK Iu/1	438 ± 422 ( 10)	322 ± 432 ( 9	(6) 595 + 998 (6)	356 ± 678 ( 10)	209 ± 233 ( 4)
GL08 g/d1	2.7 ± 0.2 ( 10)	2.7 ± 0.2 ( 9	9) 2.8 ± 0.5 (9)	2.8 ± 0.4 ( 10)	2.6 ± 0.2 ( 4)
ALB/GLOB	1.3 ± 0.1 (10)	1.4 ± 0.1 ( 9	9) 1.4 ± 0.3 ( 9)	1.3 ± 0.2 ( 10)	1.4 ± 0.1 ( 4)

Table 30

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINDGENICITY STUD: OF HE CAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT FEMALE CLINICAL CHEMISTRY VALUES - TEST WEEK 10.4 {MEAN AND STANDARD DEVIATION (n)}

CLIN CHEM VARIABLES	O O MG/KG/DAY	O 3 MG/KG/DAY	1.5 MG/KG/DAY	8 O MG/KG/DAY	40 0 MG KG DAY
GLU mg/dl	109 ± 14 ( 10)	107 ± 15 ( 10)	(01 ) 91 7 601	112 ± 16 ( 9)	95 ± 11 ( 10)+
BUN mg/dl	15 ± 2 ( 10)	14 ± 2 ( 10)	16 ± 3 (10)	16 + 2 ( 9)	20 ± 6 ( 10)
ALT 10/1	44 ± 15 ( 10)	39 ± 8 (10)	47 ± 11 ( 10)	51 ± 20 ( 9)	49 ( 33 ( 10)
TRIG mg/dl	102 ± 50 ( 10)	120 ± 50 ( 10)	107 ± 53 ( 10)	59 + 22 ( 9)	50 ± 28 ( 10)
T PRG g/d1	7.3 ± 0.4 ( 10)	7 8 ± 0.7 ( 10)+	7.3 ± 0.3 ( 10)	7.0 ± 0.3 (-9)	6,7 ± 0,3 ( 10)*
ALB g/dì	4.5 ± 0.2 ( 10)	4.8 ± 0.3 ( 9)	4.6 ± 0.2 ( 10)	4.4 ± 0.3 ( 9)	4.1 ± 0 2 ( 10)+
CHOL mg/dl	137 ± 19 ( 10)	145 ± 9 ( 10)	141 ± 20 ( 10)	128 ± 9 ( 9)	124 ± 17 ( 10)
D BIL mg/dl	0.06 ± 0.02 ( 10)	0.06 ± 0.02 ( 10)	0.07 ± 0.03 ( 10)	0.05 ± 0.01 ( 9)	0.05 ± 0.02 ( 10)
T BIL mg/dl	0.19 ± 0.06 ( 10)	$0.20 \pm 0.05$ ( 10)	0.19 ± 0.07 ( 10)	0.16 ± 0.05 ( 9)	0.18 ± 0.04 ( 10)
CAL mg/dl	10.7 ± 0.6 ( 10)	11.0 ± 0.5 ( 10)	10.8 ± 0.4 ( 10)	10.6 ± 0.5 ( 9)	10.6 ± 0.3 ( 10)
Na mMo1/1	141 ± 2 ( 10)	141 ± 2 ( 10)	139 ± 2 ( 10)	140 ± 2 ( 9)	142 ± 2 ( 10)
K mMo1/1	4.6 ± 0.2 ( 10)	4.3 ± 0.3 ( 10)	4.5 ± 0.3 (10)	4.4 ± 0.2 ( 9)	4.5 ± 0.3 (10)
C1 Meq/1	109 ± 2 ( 10)	108 ± 2 ( 10)	108 ± 2 ( 10)	108 ± 2 ( 9)	110 ± 4 (10)
CPK 1u/1	207 ± 215 ( 10)	210 ± 178 ( 10)	563 ± 1250 ( 10)	238 ± 273 ( 9)	307 ± 207 ( 10)
GL08 g/d1	2.8 ± 0.4 ( 10)	2.8 ± 0.3 (-9)	2.7 ± 0.2 ( 10)	2.6 ± 0.3 ( 9)	2.5 ± 0.3 ( 10)
ALB/GLOB	1,7 ± 0.3 ( 10)	1.7 ± 0.1 ( 9)	1,7 ± 0.1 (10)	1.7 ± 0.3 (-9)	1.6 ± 0.2 ( 10)

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

TABLE 31

TWENTY-FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE IN THE FISCHER 344 RAT

#### CATARACTS

			IESI WEEK		
DOSE (mg/kg/day)	<u>s</u> ex	25	51	76	103
0	M	2/75	4/65	5/54	8/40
	F	0/75	1/64	3/52	14/44
0.3	M	0/75	0/65	1/52	6/39
	F	0/75	0/65	0/54	4/48
1.5	M	0/75	0/64	0/47	6/31
	F	0/75	0/65	3/53	11/44
8.0	M	1/75	1/64	5/53	8/35
	F	0/75	0/65	1/54	8/43
40.0	M	2/72	6/43	1/19	2/6
	F	0/75	2/59	11/47 *, **	22/30*, **

<sup>\*</sup> Significantly different from appropriate control group, p< 0.05.

<sup>\*\*</sup> Significantly different from each other, p< 0.05.

Table 32

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TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT MALE MEAN RELATIVE ORGAN WEIGHTS (BODY) - TEST WEEK 27 [(g organ WT/g BODY WT) × 100] [MEAN AND STANDARD DEVIATION (h)]

ORGANS	O.O MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	8 O MG/KG/DAY	40.0 MG/KG/DAY
BODY WT. (g)	362 ± 21 (10)	375 ± 26 ( 10)	372 ± 16 ( 10)	365 ± 15 ( 10)	303 ± 38 (10)*
BRAIN	0.567 ±0.031 ( 10)	0.552 ±0.036 ( 10)	0.544 ±0.027 (10)	0.566 ±0.036 (10)	0.708 ±0.095 ( 10)*
HEART	0.288 ±0.019 ( 10)	0.275 ±0.020 ( 10)	0.284 ±0.027 (10)	0.296 ±0.040 ( 10)	0.316 ±0.036 ( 10)
KIDNEYS	0.695 ±0.025 ( 10)	0.688 ±0.042 ( 10)	0.686 ±0.030 (10)	0.705 ±0.042 ( 10)	0.822 ±0.087 ( 10)*
ADRENALS	0.014 ±0.003 ( 10)	0.014 ±0.004 ( 10)	0.014 ±0.003 (10)	0.016 ±0.005 ( 10)	0.019 ±0.003 ( 10)*
LIVER	$2.99 \pm 0.27$ ( 10)	2.93 ± 0.19 ( 10)	2.91 ± 0.13 ( 10)	2.87 ± 0.19 ( 10)	3.35 ± 0.30 ( 10)*
SPLEEN	0.192 ±0.016 ( 10)	0.193 ±0.012 ( 10)	0.205 ±0.020 ( 10)	0.195 ±0.014 ( 10)	0.212 ±0.034 ( 10)
GONADS	0.850 ±0.057 ( 10)	0.817 ±0.087 ( 10)	0.858 ±0.031 ( 10)	0.849 ±0.039 ( 10)	0.956 ±0.146 ( 10)*

= SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

Table 33

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINDGENICITY STUDY OF HEXAHYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT FEMALE MEAN RELATIVE ORGAN WEIGHTS (BODY) - TEST WEEK 27 [(g ORGAN WT/g BODY WT) × 100] [MEAN AND STANDARD DEVIATION (n)]

V <b>X V</b> U W U	O.O MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	8.0 MG/KG/DAY	40.0 MG/KG/DAY
800Y WT. (g)	190 ± 11 ( 10)	193 ± 10 ( 10)	195 ± 6 ( 10)	193 ± 13 ( 10)	210 ± 24 ( 10)*
BRAIN	0.980 ±0.036 ( 10)	0.965 ±0.052 ( 10)	0.962 ±0.063 ( 10)	0.993 ±0.049 ( 10)	0.914 ±0.108 ( 10)*
HEART	0.351 ±0.022 ( 10)	0.345 ±0.024 ( 10)	0.338 ±0.026 ( 10)	0.340 ±0.026 ( 10)	0.328 ±0.028 ( 10)
KIDNEYS	0.773 ±0.050 ( 10)	0.773 ±0.048 ( 10)	0.783 ±0.042 ( 10)	0.776 ±0.051 ( 10)	9.765 ±0.077 ( 10)
ADRENALS	0.029 ±0.005 ( 10)	0.030 ±0.006 (10)	0.026 ±0.004 ( 10)	0.029 ±0.005 ( 10)	0.029 ±0.006 (10)
LIVER	2.89 ± 0.27 ( 10)	$2.84 \pm 0.21 (9)$	2.89 ± 0.26 ( 10)	2.86 ± 0.29 ( 10)	2.99 ± 0.17 ( 10)
SPLEEN	0.241 ±0.016 ( 10)	0.236 ±0.018 ( 10)	0.232 ±0.013 ( 10)	0.245 ±0.021 ( 10)	0.240 ±0.023 ( 10)
GONADS	0.051 ±0.010 ( 10)	0.052 ±0.012 ( 10)	0.050 ±0.012 (-9)	0.057 ±0.011 ( 10)	0.048 ±0.009 ( 10)

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 34

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
MALE MEAN RELATIVE ORGAN WEIGHTS (BODY) - TEST WEEK 52
[(g ORGAN WI/g BODY WI) x 100]
[MEAN AND STANDARD DEVIATION (n)]

ORGANS	O.O MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	8.0 MG/KG/DAY	40.0 MG/KG/DAY
80DY WT. (g)	435 ± 28 ( 10)	411 ± 15 ( 10)	422 ± 21 ( 10)	418 ± 44 ( 10)	379 ± 57 ( 10)*
BRAIN	0.495 ±0.034 ( 10)	0.521 ±0.028 ( 10)	0.502 ±0.014 ( 10)	0.527 ±0.052 ( 10)	0.584 ±0.078 ( 10)*
HEART	0.295 ±0.019 ( 10)	0.293 ±0.038 ( 10)	0.297 ±0.022 ( 10)	0.302 ±0.020 ( 10)	0.297 ±0.046 ( 10)
KIDNEYS	0.701 ±0.038 ( 10)	0.691 ±0.045 ( 10)	0.715 ±0.048 ( 10)	0.707 ±0.062 ( 10)	0.787 ±0.113 ( 10)*
ADRENALS	0.013 ±0.003 ( 10)	0.012 ±0.003 ( 10)	0.015 ±0.003 ( 10)	0.014 ±0.003 ( 10)	0.016 ±0.004 (10)
LIVER	2.99 ± 0.20 ( 10)	3.01 ± 0.17 ( 10)	$3.09 \pm 0.22$ ( 10)	3.15 ± 0.26 ( 10)	3.41 ± 0.50 ( 10)*
SPLEEN	0.198 ±0.014 ( 10)	0.192 ±0.019 ( 10)	0.197 ±0.017 ( 10)	0.209 ±0.012 ( 10)	0.189 ±0.027 ( 10)
GONADS	0.750 ±0.057 ( 10)	0.796 ±0.047 ( 10)	0.782 ±0.037 ( 10)	0.782 ±0.071 ( 10)	0.751 ±0.148 ( 10)

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

Table 35

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINDGENICITY STUDY OF HEXAHYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT FEMALE MEAN RELATIVE ORGAN WEIGHTS (BODY) - TEST WEEK 52 [(g organ WI/g Body WT) × 100] [MEAN AND STANDARD DEVIATION (n)]

\* 6 \*(6 6 6 6 6 6 6 40.0 MG/KG/DAY 0.051 ±0.013 ( 13 0.360 ±0.020 0.839 ±0.039 +0.044 +0.007 ± 0.23 +0.030 243 3 33 0.790 0.034 0.227 10)\* 10)+ **6 6** ç Q ţo 6 9 +0.010 ( 8.0 MG/KG/DAY +00.00+ 0 0.877 +0.045 0.345 ±0.022 +0.057 ± 0.22 +0.018 222 3.01 0.798 0.029 0.219 0.057 10) ô **6** 6 0 10 <u></u> 0 1.5 MG/KG/DAY +0.008 ( +0.005 +0.019 +0.045 ± 0.20 +0.035 5 +0.056 +1 224 0.880 0.348 0.792 0.028 2.89 0.238 0.049 10) 0 9 10 6 10 <u>⊙</u> 0 O.3 MG/KG/DAY 18 ( 0.056 ±0.010 ( 0.854 +0.082 0.340 +0.019 +0.061 + 0.24 +0.019 +0.001 231 ± 0.764 0.220 0.027 2.96 6 6 <u></u> **6** <u>ō</u> 0 <u>0</u> 0 0.050 ±0.007 ( MG/KG/DAY +0.017 +0.019 5 0.843 ±0.045 +0.036 ±0.006 ± 0.22 0.0 232 2.71 0.334 0.731 0.026 B0DY WT. (g) KIDNEYS ADRENALS HEART BRAIN LIVER SPLEEN ORGANS GONADS

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

- = NO AVAILABLE DATA

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Table 36

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT MALE MEAN RELATIVE ORGAN WEIGHTS (BODY) - TEST WEEK 105 [(g organ WT/g body WT) × 100] [MEAN AND STANDARD DEVIATION (n)]

ORGANS	O.O MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	8.0 MG/KG/DAY	40.0 MG/KG/DAY
BODY WT. (g)	382 ± 44 ( 37)	388 _ 42 ( 36)	360 ± 64 ( 26)	376 ± 28 ( 29)	315 ± 15 ( 4)*
BRAIN	0.573 ±0.064 ( 37)	0.573 ±0.061 (36)	0.616 ±0.123 ( 26)	0.587 ±0.045 ( 29)	0.699 ±0.033 ( 4)*
HEART	0.360 ±0.054 (37)	0.366 ±0.059 (36)	0.382 ±0.092 ( 26)	0.359 ±0.040 ( 29)	0.438 ±0.092 ( 4)*
KIDNEYS	0.922 ±0.134 ( 37)	0.929 ±0.181 ( 36)	0.921 ±0.159 ( 26)	0.941 ±0.124 ( 29)	1.106 ±0.016 ( 4)*
ADRENALS	0.019 ±0.007 (35)	0.019 ±0.005 (36)	0.030 ±0.034 ( 25)	0.021 ±0.012 ( 28)	0.019 ±0.002 ( 4)
LIVER	3.89 ± 0.76 (37)	3.94 ± 0.67 ( 36)	$3.89 \pm 0.94$ ( 26)	3.98 ± 0.89 ( 29)	4.30 ± 0.45 ( 4)
SPLEEN	0.817 ±1.008 (37)	0.889 ±0.989 (36)	0.852 ±0.958 ( 26)	0.578 ±0.540 ( 29)	0.506 ±0.411 ( 4)
GONADS	(0 ) 000.0+	(0 ) 000.0+	(0 ) 000.0+	(0 ) 000 '07	(0 ) 000.0+

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

Table 37

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINDGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT FEMALE MEAN RELATIVE ORGAN WEIGHTS (BODY) - TEST WEEK 105 [(g organ WT/g BODY WT) × 100] [(mean and standard deviation (n)]

	0.0 0.0	0.3 MG/KG/DAY	1.5 MG/KG/DAY	B.O MG/KG/DAY	40.0 MG/KG/DAY
BUDY WT (a)	280 + 27 ( 43)	280 + 27 ( 45)	273 ± 33 (42)	271 ± 34 (41)	238 ± 23 ( 26)*
BRAIN	0.714 ±0.087 ( 43)	0.709 ±0.068 ( 45)	0 733 ±0.094 ( 42)	0.745 ±0.100 ( 41)	0.860 ±0.088 ( 26)+
HEART	0.366 ±0.056 ( 43)	0.359 ±0.032 ( 45)	0.377 ±0.058 ( 42)	0.364 ±0.051 ( 41)	0.421 ±0.068 ( 26)+
KIDNEYS	0.791 +0.098 ( 43)	0.815 ±0.099 (45)	0.841 ±0.133 ( 42)	0.833 ±0.130 ( 40)	0.957 ±0.110 ( 25)*
ADRENALS	0.026 ±0.009 ( 41)	0.023 ±0.005 ( 45)	0.025 ±0.006 ( 42)	0.025 ±0.009 (41)	0.033 ±0.006 ( 26)*
LIVER	3.31 ± 0.66 ( 42)	3.33 ± 0.46 (45)	3.26 ± 0.43 ( 40)	3.51 ± 0.54 ( 41)	3.89 ± 0.73 ( 26)*
SPLEEN	0.542 ±0.700 ( 43)	0.358 ±0.508 (45)	0.296 ±0.167 ( 42)	0.348 ±0.286 ( 41)	0.592 ±1.123 ( 26)
GONADS	0.041 ±0.007 ( 43)	0.040 ±0.008 (45)	0.042 ±0.007 ( 42)	0.045 ±0.010 ( 41)*	0.044 ±0.011 ( 26)

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

Table 38

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINDGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINEIRDX) IN THE FISCHER RATMALE MEAN ORGAN WEIGHTS (g) - TEST WEEK 27 [MEAN AND STANDARD DEVIATION (n)]

ORGANS	O.O MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	AY	8.0 MG/KG/DAY	40.0 MG/KG/DAY
BODY WT.	362. ± 21. ( 10)	375. ± 26. (10)	10) 372. ± 16. (10)	(01)	365, ± 15, (-10)	303. ± 38. ( 10)*
BRAIN	2.047 ±0.079 ( 10)	2.061 ±0.090 ( 10)	10) 2.023 ±0.090 (10)	(01)	2.064 ±0.102 ( 10)	2.116 ±0.062 ( 10)
HEART	1.043 ±0.095 ( 10)	1.030 ±0.113 ( 10)	10) 1.056 ±0.099 (10)	(01)	1.079 ±0.149 ( 10)	0.949 ±0.078 ( 10)
KIDNEYS	2.519 ±0.198 ( 10)	2.579 ±0.224 (10)	10) 2.550 ±0.132 ( 10)	(01)	2.576 ±0.169 ( 10)	2.468 ±0.180 ( 10)
<b>ADRENALS</b>	0.052 ±0.008 ( 10)	0.052 ±0.014 ( 10)	10) 0.053 ±0.010 (10)	(01)	0.059 ±0.020 ( 10)	0.056 ±0.006 ( 10)
LIVER	10.80 ± 0.81 ( 10)	10.98 ± 1.11 ( 10)	10) 10.84 ± 0.58 ( 10)	(01)	10.49 ± 0.99 ( 10)	10.11 ± 1.18 ( 10)
SPLEEN	0.693 ±0.058 ( 10)	0.722 ±0.054 ( 10)	10) 0.760 ±0.076 (10)	. (01	0.712 ±0.049 ( 10)	0.635 ±0.069 ( 10)
GONADS	3.067 ±0.093 ( 10)	3.061 ±0.341 ( 10)	10) 3.190 ±0.104 (10)	(01)	3.100 ±0.151 ( 10)	2.866 ±0.313 ( 10)

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

Table 39

TWFNTY FOUR MONTH CHRONIC TOXICITY/CARCINDGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RATFEMALE MEAN ORGAN WEIGHTS (g) - TEST WEEK 27 [MEAN AND STANDARD DEVIATION (n)]

ORGANS	O.O MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	8.0 MG/KG/DAY	40.0 MG/KG/DAY
BODY WT	190 + 11, ( 10)	193, ± 10, (-10)	195, ± 6, (10)	193. ± 13. ( 10)	210. ± 24. ( 10)*
RRAIN	1.858 10.086 ( 10)	1.861 ±0.074 ( 10)	1,871 ±0,105 ( 10)	1.911 ±0.110 ( 10)	1.905 ±0.189 ( 10)
HEART	0.665 +0.056 (10)	0.665 ±0.041 ( 10)	0.659 ±0.051 ( 10)	0.656 ±0.070 ( 10)	0.688 +0.083 ( 10)
KIDNEYS	1,465 ±0,116 (10)	1.491 ±0.092 ( 10)	1.524 ±0.091 ( 10)	1,494 ±0,102 ( 10)	1.598 ±0.167 ( 10)*
ADRENALS	0.053 ±0.010 ( 10)	0.057 ±0.012 ( 10)	0.051 ±0.007 ( 10)	0.055 ±0.010 ( 10)	0.061 ±0.014 ( 10)
LIVER	5.48 ± 0.40 ( 10)	5.48 ± 0.42 ( 9)	5.62 ± 0.43 ( 10)	5,51 ± 0.64 ( 10)	6.28 ± 0.79 ( 10)*
SPLFFN	0.457 ±0.046 ( 10)	0.454 ±0.029 ( 10)	0.452 ±0.022 ( 10)	0.471 ±0.044 ( 10)	0.503 ±0.058 ( 10)*
GONADS	0.098 +0.022 ( 10)	0.101 ±0.022 ( 10)	0.097 ±0.024 ( 9)	0.110 ±0.019 ( 10)	0.100 ±0.015 ( 10)

= SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

Table 40

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT MALE MEAN ORGAN WEIGHTS (g) - TEST WEEK 52 [MEAN AND STANDARD DEVIATION (n)]

ORGANS	O.O MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	8 O MG/KG/DAY	40.0 MG/KG/DAY
BODY WT.	435. ± 28. (10)	411. ± 15. ( 10)	422. ± 21. ( 10)	418. ± 44. ( 10)	379. ± 57. ( 10)*
BRAIN	2 143 ±0.085 ( 10)	2.138 ±0.077 ( 10)	2.115 ±0.096 ( 10)	2.179 ±0.060 ( 10)	2.171 ±0.055 ( 10)
HEART	1.278 ±0.070 ( 10)	1.200 ±0.115 ( 10)	1.252 ±0.092 ( 10)	1.258 ±0.111 ( 10)	1.109 ±0.140 ( 10)•
KIDNEYS	3.046 ±0.252 ( 10)	2.834 ±0.150 ( 10)	3.014 ±0.251 ( 10)	2.933 ±0.190 ( 10)	2.933 ±0.249 ( 10)
ADRENALS	0.059 ±0.011 ( 10)	0.050 ±0.012 ( 10)	0.062 ±0.014 ( 10)	0.059 ±0.010 ( 10)	0.060 ±0.018 ( 10)
LIVER	13.02 ± 1.20 ( 10)	12.34 ± 0.65 ( 10)	13.05 ± 1.27 ( 10)	13.10 ± 1.28 ( 10)	12.71 ± 1.07 ( 10)
SPLEEN	0.861 ±0.099 ( 10)	0.786 ±0.075 ( 10)	0.832 ±0.080 ( 10)	0.871 ±0.094 ( 10)	0.709 ±0.089 ( 10)+
GONADS	3,253 ±0,237 ( 10)	3.263 ±0.112 ( 10)	3,291 ±0,135 ( 10)	3.240 ±0.173 ( 10)	2.791 ±0.370 ( 10)*

Table 41

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINDGENICITY STUDY DF HEXALIYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT FEMALE MEAN ORGAN WEIGHTS (g) - TEST WFEK 52 [MEAN AND STANDARD DEVIATION (n)]

ORGANS	O.O MG/KG/DAY	O 3 MG/KG/DAY	1.5 MG/KG/DAY	8.0 MG/KG/DAY	40.0 MG/KG/DAY
BODY WT.	232. ± 15. ( 10)	231, ± 18, ( 10)	224. ± 13. ( 10)	222. ± 10. (10)	243. ± 13. ( 9)
BRAIN	1.946 ±0.057 ( 10)	1.962 ±0.053 ( 10)	1.968 ±0.057 ( 10)	1.943 ±0.092 ( 10)	2.046 ±0.076 ( 10)*
HEART	0.772 ±0.056 ( 10)	0.785 ±0.050 ( 10)	0.781 ±0.063 ( 10)	0.765 ±0.060 ( 10)	0.872 ±0.056 ( 10)+
KIDNEYS	1.688 ±0.087 ( 10)	1.761 ±0.107 ( 10)	1.775 ±0.116 ( 10)	1.768 ±0.140 ( 10)	1.921 ±0.154 ( 10)*
ADRENALS	0.060 ±0.013 ( 10)	0.062 ±0.019 ( 9)	0.063 ±0.012 ( 10)	0.064 ±0.014 ( 10)	0.081 ±0.014 ( 10)+
LIVER	6.26 ± 0.60 ( 10)	$6.84 \pm 0.70 (10)$	6.48 ± 0.56 ( 10)	$6.66 \pm 0.49 (10)$	8.13 ± 0.82 ( 10)+
SPLFEN	0.508 ±0.039 ( 10)	0.506 ±0.026 ( 10)	0.533 ±0.076 ( 10)	0.486 ±0.037 ( 10)	0.555 ±0.076 ( 10)
GONADS	0 115 ±0.016 ( 10)	0.128 ±0.021 ( 10)	0.111 ±0.018 ( 10)	0.125 ±0.020 ( 10)	0.120 ±0.031 ( 10)

= SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

Table 42

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINDGENICITY STUDY OF HEXAHYORO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT MALE MEAN ORGAN WEIGHTS (g) ~ TEST WEEK 105 [MEAN AND STANDARD DEVIATION (n)]

	4	4	4	4	4	<del>4</del>	4	6
40.0 MG/KG/DAY	315. ± 15. ( 4)+	2.196 ±0.054 ( 4)	1.372 ±0.226 ( 4)	3.481 ±0.191 ( 4)	0.060 ±0.006 ( 4)	13.52 ± 1.32 ( 4)	1.597 ±1.298 ( 4)	(0 ) +
8.0 MG/KG/DAY	376. ± 28. (29)	2.194 ±0.094 ( 29)	1,345 ±0.133 ( 29)	3.518 ±0.388 ( 29)	0.077 ±0.037 ( 28)	14.83 ± 2 89 ( 29)	2,148 ±1,949 ( 29)	(0 ) +
1.5 MG/KG/DAY	360. ± 64. ( 26)	2.146 ±0.104 ( 26)	1.332 ±0.179 ( 26)	3.235 ±0.355 ( 26)	0.097 ±0.082 ( 25)	13.70 ± 3.09 ( 26)	2.824 ±2.717 ( 26)	(0 ) +
O.3 MG/KG/DAY	388. ± 42. (36)	2.198 ±0.091 ( 36)	1.402 ±0.164 ( 36)	3.549 ±0.425 ( 36)	0.070 ±0.014 ( 36)	15.16 ± 2.53 ( 36)	3.321 ±3.406 ( 36)	(0 ) +
0.0 MG/KG/DAY	382. ± 44. ( 37)	2.162 ±0.073 ( 38)	1,365 ±0,181 (38)	3.485 ±0.349 (38)	0.070 ±0.017 ( 36)	14.69 ± 2.56 ( 38)	3,152 ±3.865 ( 38)	(0) +
ORGANS	BODY WT.	BRAIN	HEART	KIDNEYS	ADRENAL S	LIVER	SPLFEN	GDNADS

\* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

Table 43

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXALYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT FEMALE MEAN ORGAN WEIGHTS (g) - TEST WEEK 105 [MEAN AND STANDARD DEVIATION (n)]

O O MG/KG/DAY	O.3 MG/KG/DAY	1.5 MG/KG/DAY	B.O MG/KG/DAV	40.0 MG/KG/DAY
<u>-</u>	280. ± 27. (45)	2/3. + 33. (42)	271. + 34. (41)	238. ± 23. ( 26)*
979 ±0.068 ( 43)	1.973 ±0.096 (45)	1.972 ±0.068 ( 42)	1.993 ±0.078 ( 41)	2.021 ±0.059 ( 28)*
	1.003 ±0.084 ( 45)	1.012 ±0.070 ( 42)	0.977 ±0.095 (41)	0.980 ±0.083 ( 28)
	2.264 ±0.160 ( 45)	2.260 ±0.190 ( 42)	2.233 ±0.234 ( 40)	2.229 ±0.200 ( 27)
	0.064 ±0.010 ( 45)	0.066 ±0.012 ( 42)	0.065 ±0.012 ( 41)	0.078 ±0.014 ( 28)
	9 28 ± 1.23 (45)	8.81 ± 1.11 ( 40)	9.45 ± 1.41 ( 41)	9.20 ± 1.61 ( 28)
	1.013 ±1.520 ( 45)	0.790 ±0.382 ( 42)	0.920 ±0.720 ( 41)	1.641 ±2.772 ( 28)
	0.112 ±0.023 ( 45)	0.114 ±0.023 ( 42)	0.123 ±0.027 (41)	0.103 ±0.026 ( 28)

TABLE 44

TWENTY-FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY
OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE IN THE MALE
FISCHER 344 RAT

## Statistical Evaluation of Histopathologic Lesions

					Do	se (mg	/kg/day)		<del></del>		
			0.0		).3	1	1.5	8	3.0	4	0.0
Time	Lesion	SS	SDMS	SS	SDMS	SS	SDMS	SS	SDMS	SS	SDMS
	<del>1</del>		Spleer	ı, exti	ramedulla	ary her	natopoie	sis	<u>.                                    </u>	1	
6 mos	Present Absent	0 10		0 10		0 10		0 10		6 <b>*</b>	2 3
12 mos	Present Absent	0 10		0 10	 	0 10	0 3	0 10		0 10	0 18
24 mos	Present Absent	0 38	0 17	0 36	0 19	0 25	0 27	0 29	0 26	0	0 27
			Sp	leen,	sinusoid	ial cor	ngestion				
6 mos	Present Absent	0 10	1 1	0 10		0 10		0 10		0 10	0 5
12 mos	Present Absent	0 10	1 1	0 10		0 10	0 3	0 10		10 <b>*</b> 0	0 18
24 mos	Present Absent	0 38	0 17	0 36	0 19	0 25	0 27	0 29	0 26	0 4	0 27

Time = time of sacrifice

SS = scheduled sacrifice

SDMS = spontaneous death or moribund sacrifice during interval following last scheduled sacrifice

\* = significantly different from control group, p < 0.05

TABLE 44 (con't)

# TWENTY-FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE IN THE MALE FISCHER 344 RAT

### Statistical Evaluation of Histopathologic Lesions

					Do	se (mg	/kg/day)				
		C	0.0		.3	1	.5		3.0	4	0.0
Time	Lesion	SS	SDMS	SS	SDMS	SS	SDMS	SS	SDMS	SS	SDMS
	l			Splee	en, incre	eased p	oigment				
6 mos	Present Absent	0 10		0 10		0 10		0 10		0 10	0 5
12 mos	Present Absent	0 10		0 10		0 10	0 3	0 10	<del></del>	0 10	0 18
24 mos	Present Absent	0 38	3 14	0 36	1 18	7 <b>*</b> 18	4 23	11* 18	4 22	0 4	18* 9
	Tes	ticula	r germi	nal ce	ll deger	neratio	on, unila	iteral/	'bilatera	1	
6 mos	Present Absent	0 10	 	0 10		0 10		0 10		3 7	0 5
12 mos	Present Absent	0 10		0 10		0 10	1 2	0 10		4* 6	4 15
24 mos	Present Absent	0 38	0 16	0 36	0 19	0 25	0 27	0 29	0 26	0 4	0 27

Time = time of scheduled sacrifice

SS = scheduled sacrifice

SDMS = spontaneous death or moribund sacrifice during interval following last scheduled sacrifice

\* = significantly different from control group, p < 0.05

#### TABLE 44 (con't)

## TWENTY-FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE IN THE MALE FISCHER 344 RAT

### Statistical Evaluation of Histopathologic Lesions

					Do	se (mg	/kg/day)				
		C	0.0		).3	1	.5	8	3.0	4	0.0
Time	Lesion	SS	SDMS	SS	SDMS	SS	SDMS	SS	SDMS	SS	SDMS
			ſ	rostat	e, speri	natic g	granuloma	<u> </u>			
6 mos	Present Absent	0 10		2 8		2 8	 	1 9		6* 4	2 3
12 mos	Present Absent	0 10		0 10		1 9	0 3	1 9		0 10	0 19
24 mos	Present Absent	0 38	0 16	0 36	0 19	0 25	0 27	0 29	0 26	0 4	0 27
			Pros	state,	suppura	tive ir	nflammati	on			
6 mos	Present Absent	0 10		0 10		0 10		0 10		0 10	0 5
12 mos	Present Absent	0 10		0 10		0 10	0 3	0 10		0 10	0 19
24 mos	Present Absent	0 38	2 14	1 35	3 16	* <del>2</del> 23	7** 20	4 <b>*</b> 25	8 18	0 4	19 <b>*</b> 8

Time = time of scheduled sacrifice

SS = scheduled sacrifice

SDMS = spontaneous death or moribund sacrifice during interval following last scheduled sacrifice

\* = significantly different from control group, p < 0.05

\*\* = significant (p < 0.05) at this interval only when both SS and SDMS were combined

TABLE 44 (con't)

# TWENTY-FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE IN THE MALE FISCHER 344 RAT

### Statistical Evaluation of Histopathologic Lesions

					Do	se (mg	/kg/day)				
			0.0	(	).3		1.5		3.0	4	0.0
Time	Lesion	SS	SDMS	SS	SDMS	SS	SDMS	SS	SDMS	SS	SDMS
	Ki	dney,	medulla	ry par	oilla neo	crosis	, unilate	eral/bi	lateral		
6 mos	Present Absent	0 10		0 10		0 10		0 10		0 10	0 5
12 mos	Present Absent	0 10		0 10		0 10	0 3	0 10		0 10	15* 4
24 mos	Present Absent	0 38	0 17	0 36	1 18	0 25	0 27	0 29	0 26	0 4	18* 9
	•			k	(idney, p	yeliti	S				
6 mos	Present Absent	0 10		0 10	 	0 10		0 10		0 10	0 5
12 mos	Present Absent	0 10		0 10		0 10	0 3	0 10		0 10	1 18
24 mos	Present Absent	0 38	0 17	0 36	1 18	0 25	0 27	0 29	1 25	** 0 4	** 5 22

Time = time of scheduled sacrifice

SS = scheduled sacrifice

SDMS = spontaneous death or moribund sacrifice during interval following
last scheduled sacrifice

\* ≈ significantly different from control group, p < 0.05

\*\* = significant (p < 0.05) at this interval only when both SS and SDMS were combined

TABLE 44 (con't)

# TWENTY-FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE IN THE MALE FISCHER 344 RAT

### Statistical Evaluation of Histopathologic Lesions

·					Do	se (mg	/kg/day)				
			0.0	(	).3		1.5	8	3.0	4	0.0
Time	Lesion	SS	SDMS	SS	SDMS	SS	SDMS	SS	SDMS	SS	SDMS
				Kidn	ey, plye	loneph	ritis		<u>' , , , , , , , , , , , , , , , , , , ,</u>		
6 mos	Present Absent	0 10		0 10		0 10		0 10		0 10	0 5
12 mos	Present Absent	0 10		0 10	- <del>-</del>	0 10	0 3	0 10		0 10	1 18
24 mos	Present Absent	0 38	0 17	0 36	0 19	0 25	2 25	1 28	1 25	0 4	1 26
			Urin	ary bl	adder, 1	uminal	distent	ion			
6 mos	Present Absent	0 10		0 10		0 10		0 10		0 10	0 5
12 mos	Present Absent	0 10	1 1	0 10		0 10	0 3	0 10		0 10	18 <b>*</b>
24 mos	Present Absent	0 38	0 16	0 36	2 17	0 25	1 26	0 29	3 19	1 * 3	24 <b>*</b> 4

Time = time of scheduled sacrifice

SS = scheduled sacrifice

SDMS = spontaneous death or moribund sacrifice during interval following
 last scheduled sacrifice

\* = significantly different from control group, p < 0.05

### TABLE 44 (con't)

# TWENTY-FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE IN THE MALE FISCHER 344 RAT

## Statistical Evaluation of Histopathologic Lesions

					Do	se (mg	/kg/day)				
		(	0.0	(	0.3		1.5	8	3.0	4	0.0
Time	Lesion	SS	SDMS	SS	SDMS	SS	SDMS	SS	SDMS	SS	SDMS
		Urina	ry blado		ystitis, rhagic -			uppura	tive/		
6 mos	Present Absent	0 10	 	0 10		0 10	 	0 10		0 10	0 5
12 mos	Present Absent	0 10		0 10	 i	0 10	0 3	0 10		0 10	17* 2
24 mos	Present Absent	0 38	ე 16	0 36	2 17	0 25	1 26	1 28	0 22	0 4	18* 9
6 mos	Present Absent		; 1 1 1 1		1 1 1 1 1		 	_			
12 mos	Present Absent		;   		i i i i i						
24 mos	Present Absent		1 1 1 1 1		1 1 1 1						

Time = time of scheduled sacrifice

SS = scheduled sacrifice

SDMS = spontaneous death or moribund sacrifice during interval following
 last scheduled sacrifice

\* = significantly different from control group, p < 0.05</pre>

TABLE 45
TWENTY-FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY
OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE IN THE FEMALE
FISCHER 344 RAT

## Statistical Evaluation of Histopathologic Lesions

					Do	s <b>e</b> (mg	/kg/day)				
			0.0	c	1.3	1	.5		3.0	4	0.0
Time	Lesion	SS	SDMS	SS	SDMS	SS	SDMS	SS	SDMS	SS	SDMS
	<u> </u>			Lent	icular o	catara	ts	<u> </u>	<u> </u>	<u> </u>	<u> </u>
6 mos	Present Absent	0 10		0 10		0 10		0 10	   	0 10	
12 mos	Present Absent	0 10		0 10		0 10	   	0 10	 	0 10	0 7
24 mos	Present Absent	14 29	1 9	4 41	1 9	17 25	3 9	9 32	3 8	23 <b>*</b> 5	9* 11
			Spleer	n, extr	ramedulla	ary her	matopoies	sis			
6 mos	Prese <b>nt</b> Absent	0	0 1	0 10		0 10		0 10	     	5* 5	
12 mos	Present Absent	0 10	0 1	0 10		0 10	0 1	0 10		0 10	0 7
24 mos	Present Absent	0 43	0 10	0 45	0 10	0 42	0 12	0 41	0 11	0 28	0 20

Time = time of scheduled sacrifice

SS = scheduled sacrifice

SOMS = spontaneous death or moribund sacrifice during interval following
last scheduled sacrifice

\* = significantly different from control group, p < 0.05</pre>

# TABLE 45 (con't)

# TWENTY-FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE IN THE FEMALE FISCHER 344 RAT

# Statistical Evaluation of Histopathologic Lesions

	1										
		Dose (mg/kg/day)									
	]	0.0		0.3		1.5		8.0		40.0	
Time	Lesion	SS	SDMS	SS	SDMS	SS	SDMS	SS	SDMS	SS	SDMS
Spleen, sinusoidal congestion											
6 mos	Present Absent	0 10	0	0 10		0 10		0 10		0 10	
12 mos	Present Absent	0 10	0 1	0 10		0 10	0 1	0 10		9* 1	1 6
24 mos	Present Absent	0 43	0 10	0 45	0 10	0 42	0 12	0 41	0 11	0 28	0 20
										<b></b>	
6 mos	Present Ausent				 						
12 mos	Present Absent				 						
24 mos	Present Absent										

Time = time of scheduled sacrifice

SS = scheduled sacrifice

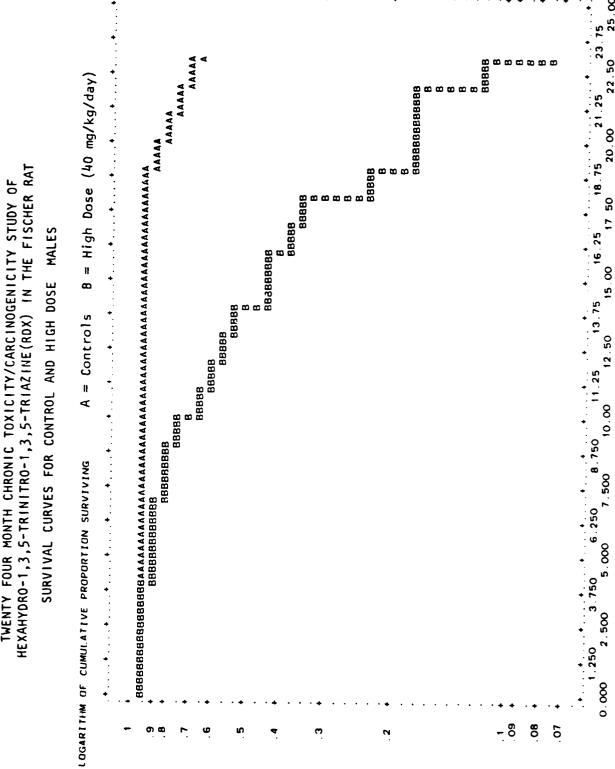
SDMS = spontaneous death or moribund sacrifice during interval following
 last scheduled sacrifice

\* = significantly different from control group, p < 0.05

FIGURES

Figure 1

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUBY OF



SURVIVAL

Figure 2

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT SURVIVAL CURVES FOR CONTROL AND HIGH DOSE FEMALES

1.250 3.750 6.250 8.750 (1.25 13.75 16.25 18.75 21.25 23.75 1.250 3.750 12.500 12.50 12.50 17.50 20.00 22.50 25.00 B = High Dose (40 mg/kg/day)SURVIVAL CURVES FOR CONTROL AND HIGH DOSE FEMALES A = Controls I DGARITHM OF CUMULATIVE PROPORTION SURVIVING ß O •

FIGURE 3

TWENTY FOUR HONTH CHPONIC TOXICITY/CARCINGGENICTY STUDY OF HEXAMYDROLL, 3, 5-TRINITROLL, 3, 5-TRIAZINE IN THE FISCHER RATINGLE CUMMULATIVE MEAN BODY WEIGHT GAINS (G)

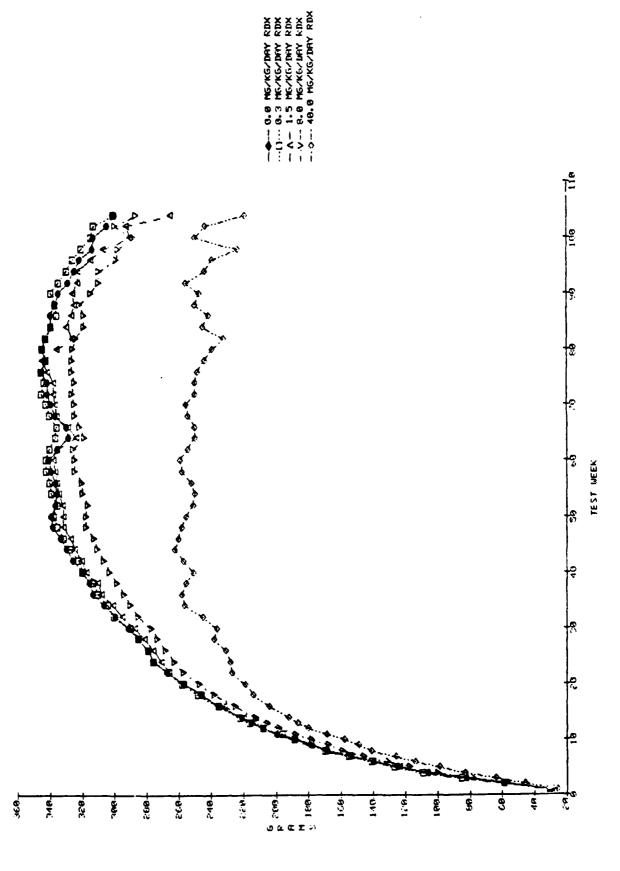
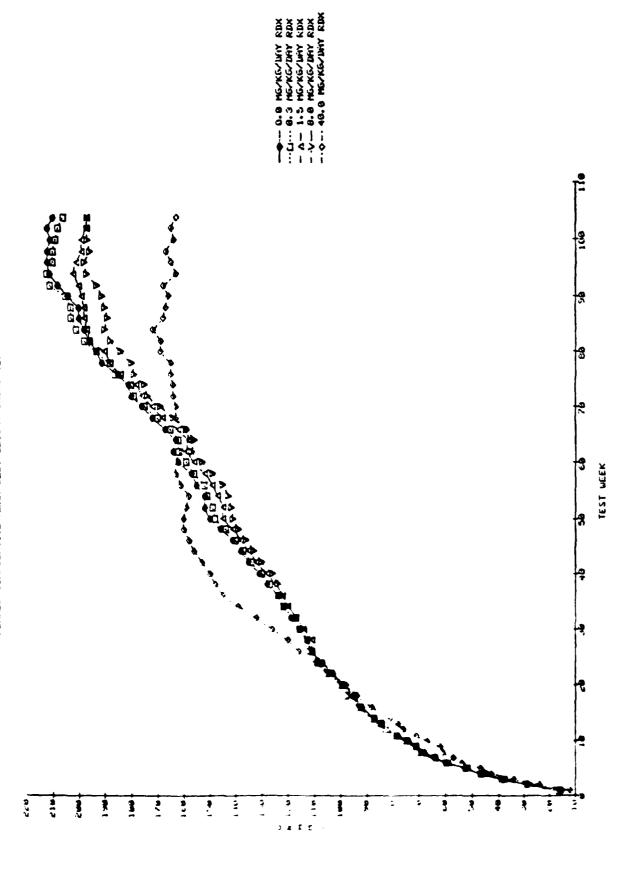


FIGURE 4

THENTY FOUR FIGHTH CHRONIC TOXICITYZCHKCINGGENICITY STUDY OF MEXHAYDAD-17-35-TRINITRO-17-35-3-TRINZINE IN THE FISCHER RRT FEMALE CURPULATIVE MEAN MODY WEIGHT GAINS (6)



TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT MEAN RBC VALUES (X 10<sup>6</sup>/MM<sup>3</sup>) VS TIME MALES AND FEMALES COMBINED

FIGURE 5

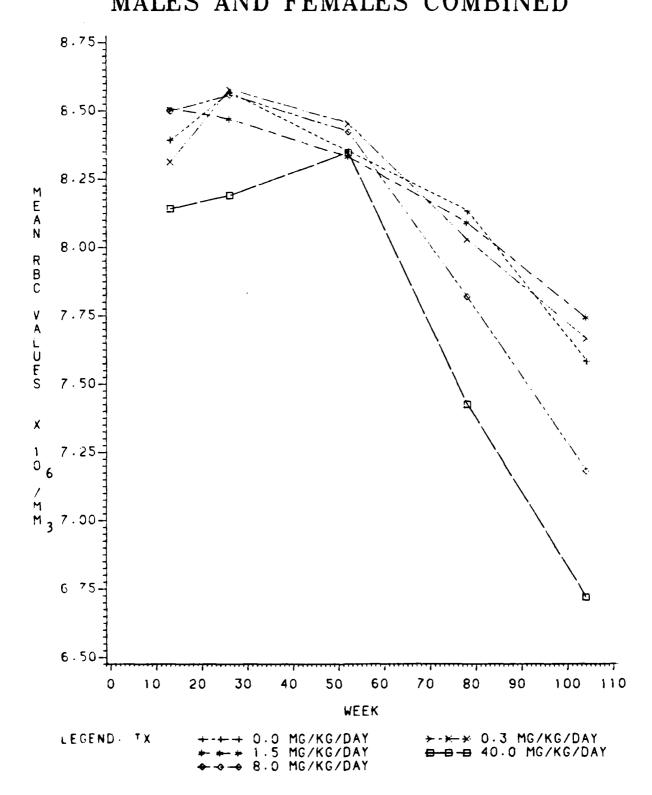


FIGURE 6

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT MEAN PLATELET VALUES (X 10<sup>3</sup>/MM<sup>3</sup>) VS TIME MALES AND FEMALES COMBINED

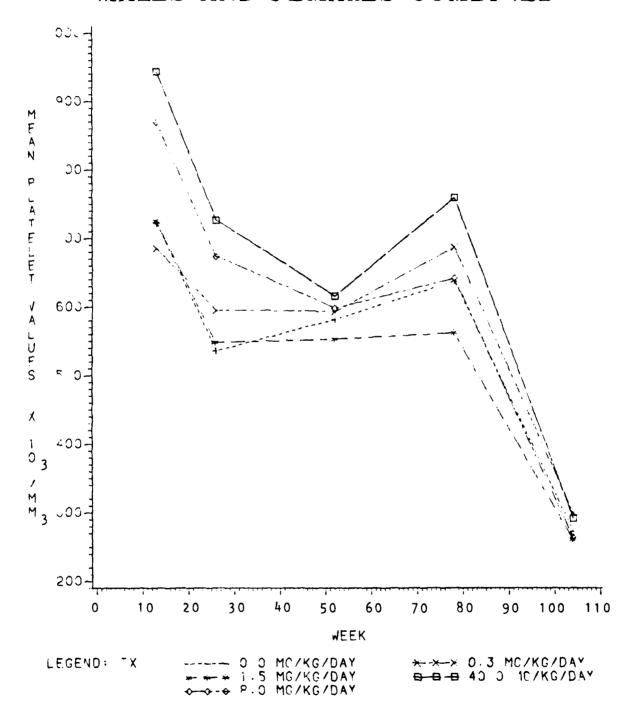
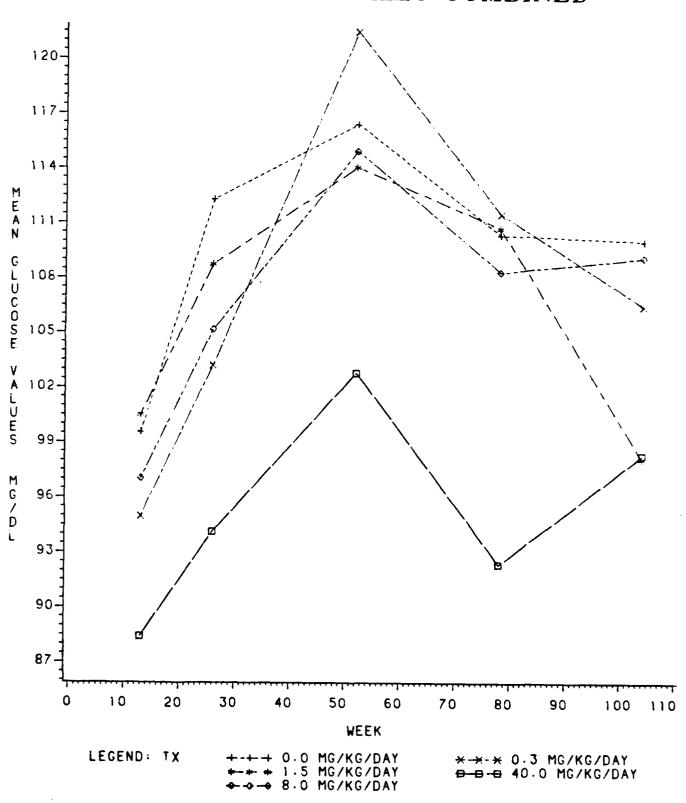
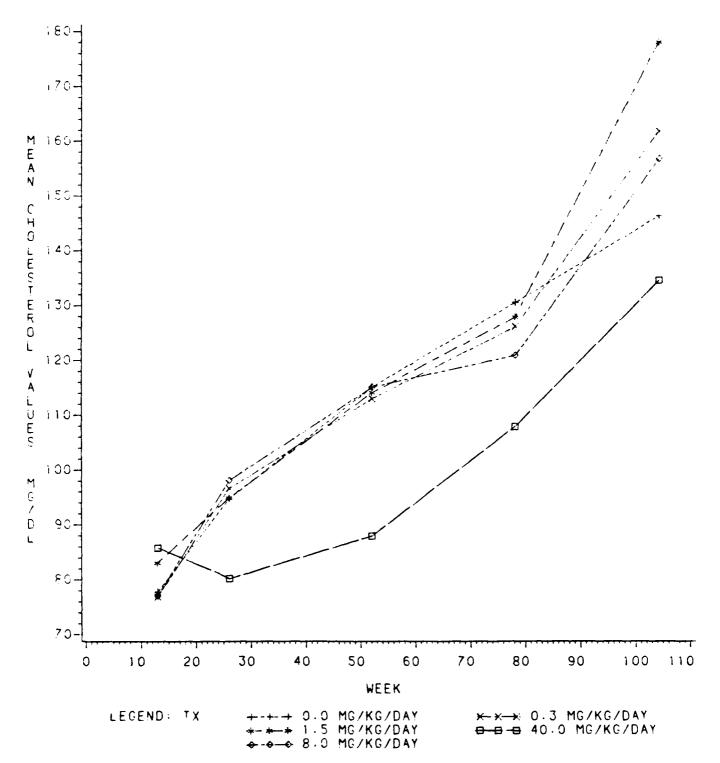


FIGURE 7

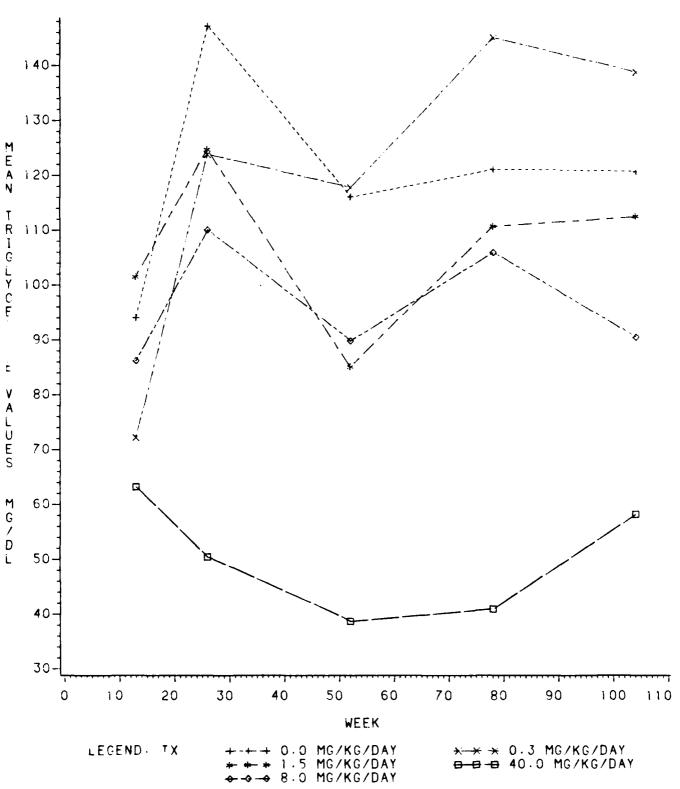
TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT MEAN GLUCOSE VALUES (MG/DL) VS TIME MALES AND FEMALES COMBINED



TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT MEAN CHOLESTEROL VALUES (MG/DL) VS TIME MALES AND FEMALES COMBINED



TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT MEAN TRIGLYCERIDE VALUES (MG/DL) VS TIME MALES AND FEMALES COMBINED



TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT MEAN FEMALE TOTAL PROTEIN VALUES (G/DL) VS TIME

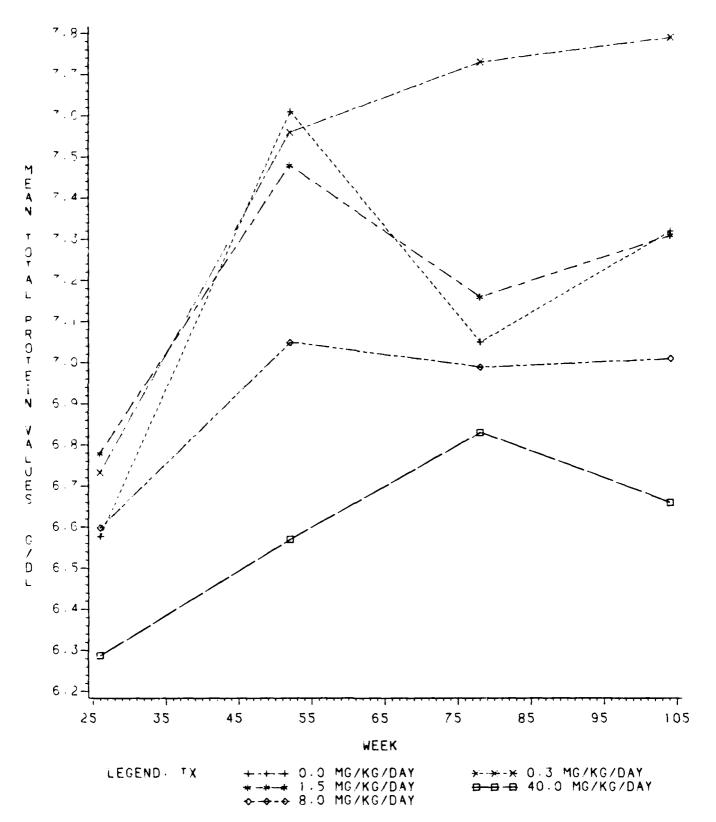
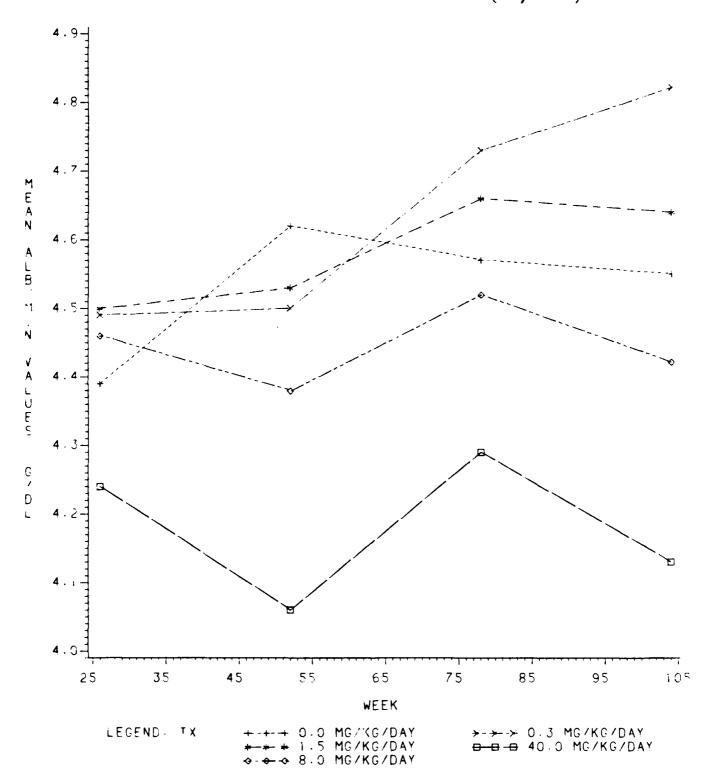


FIGURE 11

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT MEAN FEMALE ALBUMIN VALUES (G/DL) VS TIME



APPENDIX I
STANDARD OPERATING PROCEDURES FOR TEST ARTICLE
ANALYSIS, PREPARATION AND SAMPLING

#### APPENDIX IA

# ANALYSES OF THE RDX TEST ARTICLE

#### **SCOPE**

- 1.1 The procedure describes the analysis of the RDX test article for purity.
- 1.2 This method is recommended for use only by experienced analysts familiar with High Performance Liquid Chromatography (HPLC) or under close supervision of such qualified persons.

# **INTERFERENCES**

2.1 Solvents, reagents, glassware and other sample processing hardware may yield discrete artifacts and/or elevated baselines causing misinter-pretation of chromatograms. All of these materials must be shown to be free from interferences under the conditions of the analysis by running method blanks.

### **EQUIPMENT**

- 3.1 Higher Performance Liquid Chromatography
  - · constant flow, isocratic pumping system
  - reverse phase column, 10 μ 3.9 mm x 30 cm μ-Bondapak C<sub>18</sub> column
  - ultraviolet detector capable of monitoring  $\lambda = 254$  nm
  - strip chart recorder and electronic integrator capable of measuring peak areas and performing an internal standard calculation.

# REAGENTS

- 4.1 Propiopnenone, an internal standard, Aldrich Chemical Company (Purity 99%)
- 4.2 Methanol, Actronitrile, and Water, HPLC Grade or equivalent
- 4.3 RDX, S.A.R.M., supplied by the sponsor (Purity 99.8%)

# CALIBRATION

5.1 Calibration standards were prepared from stock solutions containing 200  $\mu g$  RDX, and propiophenone per ml acetonitrile so as to bracket the working range of the chromatographic system. These concentrations were: 2  $\mu g/ml$ , 10  $\mu g/ml$ , 20  $\mu g/ml$ , and 40  $\mu g/ml$ .

- 5.2 A constant injection volume of 15  $\mu$ l was employed for all measurements.
- 5.3 In order to determine the precision of the HPLC system, a series of 6 replicate injections of the 20  $\mu$ g/ml solution were made.
- 5.4 Retention times should remain relatively constant (within ± 5% day to day) with RDX being 3.7 minutes, and propiophenone 7.3 minutes under the specified conditions. If the retention times are not within ± 5%, supervising chemist should be informed prior to the analysis and corrective action should be taken.

# QUALITY CONTROL

- 6.1 Before processing any samples, the analyst should demonstrate through the analysis of a blank tha all glassware and reagents are interference free.
- 6.2 In a typical sample set, a minimum of one blank and five samples will be analyzed.
- 6.3 The analyst will follow each step in an analytical protocol without deviation or improvisions in order to accurately assess the performance of the method. Prior to making any changes in the procedure, analyst will consult the supervision chemist and the supervising chemist and Q.A. officer will review and approve all the changes.

#### SAMPLE PREPARATION

- 7.1 The test article will be spread on a sheet of paper, and five samples will be takin from different areas. Each sample shall have a weight of  $\sim$ 150 mg. The samples will be collected in amber vials and stored at refrigerator temperatures in the dark until analysis.
- 7.2 A portion of the sample (100 mg) will be weighed and transferred to a 100 ml volumetric flask. The internal standard will be added and it will be diluted to volume. It will be further diluted to a concentration of 20 µg/ml and analyzed by high performance liquid chromatography.
- 7.3 If the sample is not analyzed immediately it will be stored at refrigerator temperatures in the dark

# HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC)

8.1 Each sample was analyzed by reverse phase HPLC using the conditions described below: Column, 3.9 mm x 30.0 cm  $\mu$ -Bondpak C<sub>18</sub>; Solvent System, methanol:water (55%:45%, v/v); Flow Rate, 1.5 ml/min; Detection, UV at 254 nm; Sensitivity, 0.1 AUFS. the retention times

- of RDX and propiophenone were 3.7 and 7.3 minutes, respectively. The limit of detection was 2  $\mu g$  RDX/ml acetonitrile and is defined by 5x the background nouse. The representative chromatogram is Figure IA.1.
- 8.2 The chromatographic system was calibrated daily with a minimum of two injections of one standard representative of chromatographic range.
- 8.3 An injection volume of 15.0  $\mu$ l was used for each sample. If the peak area exceed the linear range of a sample it was diluted and reanalyzed.

# CALCULATIONS

9.1 Determine the concentration fo RDX using the formula:

% RDX in Sample = 
$$\frac{(Ax) \text{ (Wis) } x \text{ D X 100}}{(Fx) \text{ Ais (Ws)}}$$

Where

Ax = Area (X) where x is RDX

Ais = Area (internal standard)

$$Fx = \frac{\text{Area } (x) \text{ x Weight (is)}}{\text{Area (is) x Weight (Wx)}}$$

Wis = Weight of the internal standard

Ws = Weight of the sample

D = The dilution factor

Wx = Weight of component x is RDX

9.2 The results should be reported in percent RDX. Where replicate samples are analyzed, all data should be reported. All results were recorded in standard IITRI logbooks and these plus chromatograms and data tapes are retained in the Chemistry Division Q.A. files.

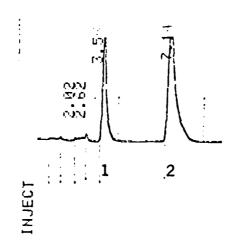


Figure IA.1 Chromatogram of RDX (1) Propiophenone (2) Standard, 20  $\mu g/ml$ 

#### APPENDIX IB

# ANALYSIS OF RDX IN DIET PREMIXES

# SCOPE AND APPLICATION

- 1.1 This method covers the determination of RDX in diet premixes.
  . at 10% and 50% levels.
- 1.2 The sensitivity of this method is usually dependent on the level of interferences present in the samples, rather than the instrumental limitations.
- 1.3 This method is recommended for use only by experienced analysts familiar with High Performance Liquid Chromatography (HPLC) or under close supervision of such qualified persons.

# SUMMARY OF THE METHOD

2.1 A weighed quantity of the premix was stirred with 50 ml of acetonitrile for 30 minutes. The suspension was filtered through a porous glass filter and the filtrate was transferred with washings to a volumetric flask. Propiophenone, the internal standard was added to the filtrate or a portion, thereof and this solution was diluted to its final volume. The samples were analyzed using reverse phase high performance liquid chromatography. Each was eluted on 3.9 mm x 30.0 cm  $\mu$ -Bondapak  $C_{18}$  column with methanol:water (55%:45%) and the eluant was monitored with an ultraviolet absorption detector at  $\lambda$  = 254 nm.

# INTERFERENCES

- 3.1 Solvents, reagents, glassware and other sample processing hardware may yield discrete artifacts and/or elevated baselines causing misinterpretation of chromatograms. All of these materials must be shown to be free from interferences under the conditions of the analysis by running method blanks.
- 3.2 Interferences coextracted from the samples will vary considerably from source to source, depending on the type of animal feed used in the study.

## MATERIALS

- 4.1 Erlenmeyer flasks, 125 ml
- 4.2 Filtering apparatus, vacuum flask, 125 ml; fritted glass filters, porosity M, ASTM 10-20 microns.

# 8, 77, 77

- 5.1 Mettler Brighatic Analytical Balance, No. 1-910
- 5.2 Cornin; Hot Flate Stirrers, BC 351
- 5.3 Buchi Evicorator, Model R
- 5.4 Sample Clarification rit, Inganic (water's Associates)
- 5.5 Higher Performance Liquid Chromatography
  - constant flow, isocratic purpose system
  - reverse phase column, 10 % 3.4 mm x 30 cm -Bondapak [] \_ \_olumn
  - ultraviolet detector capable of constoring to 84 nm
  - strip chart recorder and electronic integrator abatic to da uning peak areas and penforming an internal standard alleaters.

# ASA SENTS

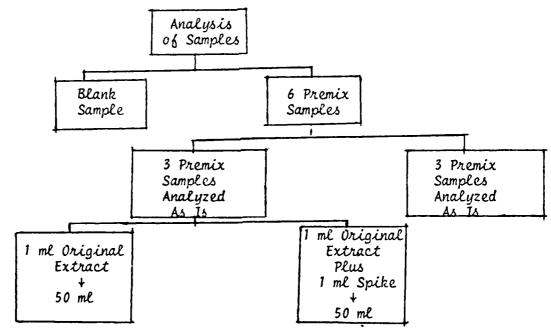
- 6.1 Propiophenone, an internal standard, Albert not be that the second of the second standard and the second secon
- 6.2 Methanol, Acetonitrile, and Water, effect shade on equivalent
- 6.3 RDX, S.A.R.M., supplied by the spensor (Furity 39.00)

# CALIBRATION

- 7.1 Calibration standards were prepared from stock solutions containing 200 µg RDX, and propiophenone per ml acetonitrile so as to pracket the working range of the chromatographic system. These concentrations were: 2 µg/ml, 10 µg/ml, 20 µg/ml, and 40 µg/ml.
- 7.2 A constant injection volume of 15 gl was employed for all measurements.
- 7.3 In order to determine the precision of the HPLC system, a series of 6 replicate injections of the 20  $\mu g/ml$  solution were made.
- 7.4 Retention times should remain relatively constant (within  $\pm$  5% day to day) with RDX being 3.7 minutes, and propiophenone 7.3 minutes under the specified conditions. If the retention times are not within  $\pm$  5%, supervising chemist should be informed prior to the analysis and corrective action should be taken.

# QUALITY CONTROL

- 8.1 Before processing any samples, the analyst should demonstrate through the analysis of a blank that all glassware and reagents are interference free. Each time a set of samples is extracted or there is a change in reagents, a method blank should be processed as a safeguard against laboratory contamination.
- 8.2 Standard quality assurance practices were used with this method. A minimum of 6 replicate spiked samples were analyzed to validate the accuracy of the method. If doubt should arise concerning the identity of the peak on a chromatogram, confirmatory techniques such as mass spectrometry should be used.
- 8.3 In a typical sample set, a minimum of one blank and scheduled samples will be analyzed. A control sample will be prepared by adding a known concentration of RDX to the sample. The concentration will be in the working range of chromatographic system as determined by calibration experiment.
- 8.4 The analyst will follow each step in an analytical protocol without deviation or improvisions in order to accurately assess the performance of the method. Prior to making any changes in the procedure, analyst will consult the supervising chemist and the supervising chemist and the Q.A. officer will review and approve all the changes.
- 8.5 The typical analysis will consist of the following samples shown in the diagram. One blank sample, 6 premix samples as is, 3 spiked samples.



### SAMPLE COLLECTION

9.1 Samples are collected and stored prior to analysis according to SOP 81-sample collection (TNT & RDX Premix)

# SAMPLE EXTRACTION

- 10.1 The appropriate amount of sample is weighed into a 125 ml Erlenmeyer flask using standard operating procedures. The sample amount for both the 10 percent and 50 percent premix is one gram. Approximately 50 mls of acetonitrile is added to the flask and it is stoppered. The sample is extracted by stirring for 30 minutes at room temperature.
- 10.2 Following extraction, the sample was filtered through a medium porosity fritted glass filter. In this operation the extraction mixture was swirled to form a uniform suspension and immediately poured into the glass funnel. A stirring rod was used to drain the last drop of liquid from the flask.
- 10.3 The extraction flask was rinsed with three portions of acetonitrile of approximately three mils each, and the rinse is poured into the funnel. This procedure is repeated three times, then the vacuum is reapplied and the washing process is completed.
- 10.4 The filtrate is transferred via a short-stem funnel into a volumetric flask. The filtering flask is rinsed three times, with approximately 6 ml portions of acetonitrile, and the rinses are added to the volumetric flask. The size of the volumetric flask and the subsequent treatment of the sample depend on the initial RDX concentration in the sample. The dilution for sample is shown in Table IB.1.
- 10.5 An aliquot (approximately 10 ml) is filtered using a Water's Organic Sample Clarification Kit using 0.5 µm filter. The sample is now ready for analysis for HPLC.

# STORAGE OF SAMPLES

- 11.1 All samples including premixes and blank feed will be stored in the dark at refrigerator temperatures.
- 11.2 If the sample preparation procedure is stopped at any point during the working day, the samples should be stored in stoppered vessels in the dark at refrigerator temperatures.

TABLE IB.1 DILUTION SCHEME FOR SAMPLE EXTRACT

Premix Concentration	10%	50%
Original Extract Volume	100 ml	500 m1
Secondary Dilution	l ml extract plus l ml I.S. to volume of 50 ml with acetonitrile	l ml extract plus l ml I.S. to volume of 50 ml with acetonitrile

- 1. I.S. solution concentration is  $\sim 1000 \mu g/ml$
- 2. In the case of a sample analyzed by the method of standard addition 1 ml of the original extract was diluted with 50 ml acetonitrile, and 1 ml of the extract added to 1 ml of the spiking solution of known concentration was diluted with acetonitrile as above.
- 11.3 Samples that are ready for HPLC analysis will be stored in the dark at refrigeration temperature.
- 11.4 Similarly, RDX and propiophenone standards and all standard solutions will also be stored in the dark at refrigerator temperatures.

# HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC)

- 12.1 Each sample was analyzed by reverse phase HPLC using the conditions described below: Column, 3.9 mm x 30.0 cm  $\mu$ -Bondpak C<sub>18</sub>; Solvent System, methanol:water (55%:45%, v/v); Flow Rate, 1.5 ml/min; Detection, UV at 254 nm. The retention times of RDX and propiophenone were 3.7 and 7.3 minutes, respectively. The limit of detection was 2  $\mu$ g RDX/ml acetonitrile and is defined by 5x the background noise. The representative chromatogram is Figure IB.1.
- 12.2 The chromatographic system was calibrated daily with a minimum of two injections of one standard representative of chromatographic range.
- 12.3 An injection volume of 15.0  $\mu$ l was used for each sample. If the peak area exceed the linear range of a sample it was diluted and reanalyzed.

12.4 Following the completion of an analysis or set of analyses, a gradient going from initial solvent conditions to 100% methanol in 15 minutes will be used to elate polar compounds from the column. Elution at 100% methanol will be continued for at least 1 hour.

# CALCULATIONS

13.1 Determine the concentration of RDX using the formula:

SRDX in Sample = 
$$\frac{(Ax)(Wis) \times D \times 100}{(Fx) \text{ Ais } (Ws)}$$

Where

Ax = Area(X) where x is RDX

Ais = Area (internal standard)

 $Fx = \frac{Area(x) \times Weight(is)}{Area(is) \times Weight(Wx)}$ 

Wis = Weight of the internal standard

Ws = Weight of the sample

D = The dilution factor

Wx = Wt of component x is RDX.

13.2 The results should be reported in percent RDX composite. This is the RDX actually used in the toxicity study. Where replicate samples are analyzed, all data should be reported. All results are recorded in standard IITRI logbooks and these plus chromatograms and data tapes are retained in the Chemistry Division Q.A. files.

# SAFETY

14.1 Safety regulations will be followed at all times especially with regard to the handling of toxic materials. When the premix samples are being handled, a lab coat, gloves and a mask will be appropriate attire. When solutions as extracts are being handled, a lab coat and gloves should be worn when there is the change of direct contact with these materials.

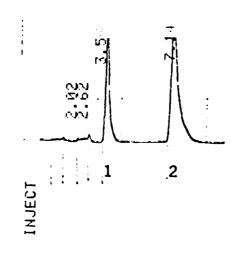


Figure IB.1 Chromatogram of RDX (1) Propiophenone (2) Standard, 20  $\mu g/ml$ 

# APPENDIX IC

# ANALYSIS OF RDX IN DIETS

# SUDPE AND APPLICATION

- 1.1 This method covers the determination of RDX in diet samples at 0.0005% to 0.100% level.
- 1.2 The sensitivity of this method is dependent on the level of interferences present in the samples, rather than the instrumental limitations.
- 1.3 This method is recommended for use only by experienced analysis familiar with High Performance Liquid Chromatography (HPLC) or under close supervision of such qualified persons.

# SIMMARY OF THE METHOD

2.1 A weighed quantity of the diet was stirred with 50 ml of acetonitrile for 30 minutes. The suspension was filtered through a porour glass filter and the filtrate was transferred with washings to a volumetric flask. Propiophenone, the internal standard was added to the filtrate or a portion, thereof and this solution was diluted to its final volume. The samples were analyzed using reverse phase high performance liquid chromatography. Each was eluted on 3.9 mm x 30.0 cm  $\mu$ -Bondapak  $C_{18}$  column with methanol: water (55%:45%) and the eluant was monitored with an ultraviolet absorption detector at  $\lambda$  = 254 nm.

#### INTERFERENCES

- 3.1 Solvents, reagents, glassware and other sample processing hardware may yield discrete artifacts and/or elevated baselines causing misinter-pretation of chromatograms. All of these materials must be shown to be free from interferences under the conditions of the analysis by running method blanks.
- 3.2 Interferences coextracted from the samples will vary considerably from source to source, depending on the type of animal feed used in the study.

# MATERIALS

- 4.1 Erlenmeyer flasks, 125 ml
- 4.2 Filtering apparatus, vaccum flask, 125 ml; fritted glass filters, porosity M, ASTM 10-20 microns.

# **EQUIPMENT**

- 5.1 Mettler Grammatic Analytical Balance, No. 1-910
- 5.2 Corning Hot Plate Stirrers, BC 351
- 5.3 Buchi Evaporator, Model R
- 5.4 Sample Clarification Kit, Organic (Water's Associates)
- 5.5 Higher Performance Liquid Chromatography
  - constant flow, isocratic pumping system
  - reverse phase column, 10  $\mu$  3.9 mm x 30 cm  $\mu$ -Bondapak C<sub>18</sub> column
  - ultraviolet detector, capable of monitoring  $\lambda = 254$  nm
  - strip chart recorder and electronic integrator capable of measuring peak areas and performing an internal standard calculation.

# **REAGENTS**

- 6.1 Propiophenone, an internal standard, Aldrich Chemical Company (Purity 99%)
- 6.2 Methanol, Acetonitrile, Water HPLC grade or equivalent
- 6.3 RDX, S.A.R.M. Supplied by sponsor (Purity 99.8%)

# CALIBRATION

- 7.1 Calibration standards were prepared from stock solutions containing 200 µg RDX, and propiophenone per ml acetonitrile so as to bracket the working range of the chromatographic system. These concentrations were: 0.5 µg/ml, 2 µg/ml, 10 µg/ml, 20 µg/ml, and 40 µg/ml.
- 7.2 A constant injection volume of 15  $\mu l$  was employed for all measurements.
- 7.3 In order to determine the precision of the HPLC system, a series of 6 replicate injections of the 20  $\mu$ g/ml solution were made.
- 7.4 Retention times should remain relatively constant (within ± 5% day to day) with RDX being 3.7 minutes, and propiophenone 7.3 minutes. If the retention times are not within ± 5%; supervising chemist should be informed prior to the analysis and corrective action should be taken.

# SUALITY CONTROL

- 8.1 Before processing any samples, the analyst should demonstrate through the analysis of a blank that all glassware and reagents are interference free. Each time a set of samples is extracted or there is a change in reagents, a method blank should be processed as a safeguard against laboratory contamination.
- 8.2 Standard quality assurance practices were used with this method. A minimum of six replicate spiked samples were analyzed to validate the accuracy of the method. If doubt should arise concerning the identity of the peak on a chromatogram, confirmatory techniques such as mass spectrometry should be used.
- 8.3 In a typical sample set, a minimum of one blank and scheduled samples will be analyzed. A control sample will be prepared by adding a known concentration of RDX to the sample. The concentration will be in the working range of chromatographic system as determined by calibration experiment.
- 8.4 The analyst will follow each step in an analytical protocol without deviation or improvisions in order to accurately assess the performance of the method. Prior to making any changes in the procedure, analyst will consult the supervising chemist and the supervising chemist and Q.A. officer will review and approve all the changes.
- 8.5 The typical analysis will consist of the following samples, one blank sample, 6 diet samples as is, 3 feed samples spiked for the recovery determination at the diet concentration.

TABLE IC.1 DILUTION SCHEME FOR RDX DIET SAMPLES

Diet Level %	Extract Volume (ml)	Extract Diluted (ml)	Propiophenone (IS) Added	Final Volume (ml)
0.0005	100	<b>-</b>	l ml, 50 μg/ml	100
0.0050	100	-	. 1 ml, 500 μg/ml	100
0.0100	100	-	l ml, 1000 μg/ml	100
0.0500	100	10	1 m1, 500 μg/m1	25
0.1000	100	10	1 m1, 1000 μg/ml	50

### SAMPLE COLLECTION

9.1 Sampler are collected and stored prior to annalysis according to SOP 81-sample collection (TNT and RDX diet samples).

#### SAMPLE EXTRACTION

- 10.1 The appropriate amount of sample is weighed into a 125 ml Erlenmeyer flask using standard operating procedures. The sample amount for the diet mixture is ten grams. Approximately 50 mls of acetonitrile is added to the flask and it is stoppered. The sample is extracted by stirring for only 30 minutes at room temperature.
- 10.2 Following extraction, the sample was filtered through a medium porosity fritted glass filter. In this operation the extraction mixture was swirled to form a uniform suspension and immediately poured into the glass funnel. A stirring rod was used to drain the last drop of liquid from the flask.
- 10.3 The extraction flask was rinsed with three portions of acetonitrile of approximately 5 mls each and the rinses are poured into the funnel. The vacuum is reapplied and the washing process is completed.
- 10.4 The filtrate is transferred via a short-stem funnel into a volumetric flask. The filtering flask is rinsed three times, with approximately 5 ml portions of acetonitrile and the rinses are added to the volumetric flask. The size of the volumetric flask and the subsequent treatment of the sample depend on the initial RDX concentration in the sample. The dilution for various sample levels is shown in Table IC.1. Diet samples will be diluted to a volume that places them in the working range of the chromatographic system.
- 10.5 An aliquot (approximately 10 ml) is filtered using a Water's Organic Sample Clarification Kit using 0.5 µm filter. The sample is now ready for analysis for HPLC.

# STORAGE OF SAMPLES

- 11.1 All samples including diet and blank feed will be stored in the dark at refrigerator temperatures.
- 11.2 If the sample preparation procedure is stopped at any point during the working day, the samples should be stored in stoppered vessels in the dark at refrigerator temperatures.
- 11.3 Samples that are ready for HPLC analysis will be stored in the dark at refrigerator temperature.
- 11.4 RDX and propiophenone standards and all standard solutions will be stored in the dark at refrigerator temperatures.

# HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC)

- 12.1 Each sample was analyzed by reverse phase HPLC using the conditions described below: Column, 3.9mm x 30.0cm u-Bondpak C<sub>18</sub>; Solvent System, Methanol:Water (55%:45%, v/v); Flow Rate, 1.5 ml/min; Detection,UV at 254 nm. The retention times of RDX and propiophenone were 3.7 and 7.3 minutes, respectively. The limit of detection was 0.2 ug RDX/ml acetonitrile and is defined as 5x the background noise. The representative chromatogram is Figure IC.1. For levels at and below 0.005% RDX, the chromatographic conditions have to be changed, since UV absorbing compounds interfere with the RDX quantitation. The eluting solvent in these cases is Methanol:Water (45%:55%, v/v) at a flow rate of 1.5 ml/min.
- 12.2 The chromatographic system was calibrated daily with a minimum of two injections of one standard representative of the chromatographic range.
- 12.3 An injection volume of 15.0 ul was used for each sample, except at or below 0.0010% level. The injection volume at 5 & 10 ppm was 25.0 ul. If the peak exceeds the linear range of a sample it was diluted and reanalyzed.
- 12.4 For levels of 0.005% and telow the retartion times are 4.8 and 12.9 minutes for RDX and proprophenone respectively.
- 12.5 Following the completion of an analysis or a set of analyses, a gradient doing from the initial solvent conditions to 100% methanol in 15 minutes will be run and the column will be eluted with 100% methanol for at least one hour.

# CALCULATIONS

13.1 Determine the concentration of RDX using the formula:

% RDX in Sample = 
$$\frac{(Ax)(Wis) \times D \times 100}{(Fx) \text{ Ais (Ws)}}$$

Where

Ax = Area (X) where x is RDX

Ais = Area (internal standard)

 $Fx = \frac{Area(x) \times Weight(Wx)}{Area(is) \times Weight(Wx)}$ 

Wis = Weight of the internal standard

Ws = Weight of the sample

D = Dilution factor

Wx = Wt of component x is RDX

13.2 The results should be reported in percent RDX composite. This is the RDX actually used in the toxicity study. Where replicate samples are analyzed, all data should be reported. All results are recorded in standard IITRI logbooks and these plus chromatograms and data tapes are retained in the Chemistry Division Q.A. files.

# SAFETY

14.1 Safety regulations will be followed at all times, especially with regard to the handling of toxic materials. When the diet samples are being handled, a lab coat, and gloves will be appropriate attire. When solutions or extracts are being handled, a lab coat and gloves should be worn when there is the chance of direct contact with these materials.

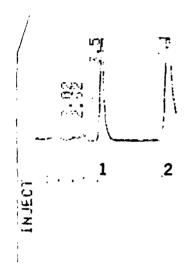


Figure IC.1 Chromatogram of RDX (1) Propiophenone (2) Standard, 20  $\mu g/m L$ 

# APPENDIX ID

# STANDARD OPERATING PROCEDURES FOR THE PREPARATION OF THE AND ROX DIET PRE-MIXES

# OBJECT

The object of this <u>S</u>tandard <u>O</u>perating <u>P</u>rocedure (SOP) is to set down procedures which, when followed, will assure quality from lot to lot of the subject pre-mixes. It also provides a guide to safe practices in the handling of these explosives materials.

# 2. HEALTH AND SAFETY

The materials (TNT and RDX) being handled in these feed preparations are not only explosive but are also toxic. It would appear that the greatest risk is incurred by the covert inhalation of the aerosolized finely divided powders produced by filling and emptying the ball mill and the V blender. Accordingly the following rules are hereby promulgated.

2.1 When charging or emptying the ball mill or "V" blender a respirator mask, and gloves must be worn. The 3M "Dust and Mist Respirator," 09910 is available to the Chemistry Storeroom and is recommended. Surgeons gloves are recommended for use when handling these materials. They are also available in the storeroom.

The above are considered disposable and will therefore be discarded: the respirator mask at the end of the day and the gloves immediately after they are removed. They will be incinerated along with all other expendable materials at the end of the work day. This will be done by the resident staff at KOP. These people should be made aware of the nature of the material to be burned.

- 2.2 Safety glasses, with side shields supplied by IITRI will be worn at all times in the operating areas.
- 2.3 Cleanup of contaminated surfaces will be accomplished with damp wipers, by washing or wet mop. Dry sweeping is not permitted.

Spills will be cleaned up immediately. The spilled material should be discarded and not returned to the processes. Spilled material should be placed in an appropriate container, given to the KOP staff, with explanation of its nature, for disposal.

General cleanup will be performed between mixes, i.e., say after preparing a TNT pre-mix and before starting on an RDX pre-mix.

All work surfaces, the ball mill, "V" blender, and balance will be cleaned at the end of each work day.

- 2.4 Only a sufficient amount of explosives material for immediate (one or two days operation), will be removed from the explosives magazines to the work area. This will be done by the approved resident KOP staff. Overnight storage of explosives is permitted only in designated areas within the facility. Explosives material will be stored and transported in appropriate "Velostat" containers. Explosives in proper containers should be kept on the bench top, not stored in drawers.
- 2.5 After the pre-mixes have been prepared and further work is not planned for the following day, residual bulk explosives will be returned to the storage area. This will be done by KOP resident staff.
- 2.6 Hands, forearms, and face will be washed upon leaving the work area.
- 2.7 Eating and drinking in the work area is strictly prohibited.

#### GENERAL

# 3.1 Logbooks

All activity and supporting data will be recorded in the approved IITRI laboratory logbook.

# · 3.2 Sample and Lot Designation

Samples or lots of pre-mix are designated by a number relating it to a logbook and page as follows:

NNN-nn.j

where

"NNN" is the last three digits of logbook registration number,

"-nn" is the page number in that logbook and

".j" is the sample number.

For example: Sample 838-14.5 would be described on page 14 of IITRI Logbook 24838 and would be the fifth sample on that page.

"PRE-MIXES" prepared for the feeding program will be designated as "PRE-MIX" using a similar code. For example: TNT PRE-MIX 838-13.1.

# 3.3 Data Format

The data regarding the preparation of the pre-mixes shall be kept in the logbook in a prescribed manner. The format proposed is shown in Figure 1.

# 3.4 Labeling

TNT pre-mixes, contained in "Velostat" bags will be identified with <u>yellow</u> tape and with a label as:

10% TNT PRE-MIX Wt Kg Lot No. (see 3.2) Date: mm/dd/yy Initials of the preparer

RDX pre-mixes contained in "Velostat" bags will be identified with  $\underline{\text{blue}}$  tape and with a label as:

10% RDX PRE-MIX Wt \_\_\_\_ Kg Lot No. (see 3.2) Date: mm/dd/yy Initials of the preparer

### 4. PREPARATION OF THE OR RDX/FEED PRE-MIXES

### 4.1 Introduction

Animals are to be fed the test materials (TNT or RDX) at very low doses. This requires that gram quantities of these materials be dispersed as uniformly as possible among large quantities of feed. In order to accomplish this the test materials are first dispersed at a concentration of 10% in feed. This is known as the <u>PRE-MIX</u>. Appropriate quantities of the PRE-MIX are then blended into large quantities of feed to attain the required dosage level. The correct preparation of the PRE-MIX is the subject of this SOP.

TNT is a soft waxy substance with a low melting point which is difficult to grind. The starting material is TNT flake which must be reduced in particle size to meet the needs of this program. This cannot be done by ball-milling the TNT without a "grinding aid". The aid used in this study is the certified feed material; an animal feed in the form of a finely divided meal. Equal portions, i.e., 50/50 by weight of TNT and feed, are ground in a ball mill to form a TNT CONCENTRATE. This 50/50 CONCENTRATE is subsequently blended with more feed in a P-K "V" blender for form the 10% PRE-MIX.

The same procedure is followed for the preparation of the RDX PRE-MIX.

While it was not necessary to ball mill the RDX with feed as a grinding aid this procedure was followed to avoid introducing another variable in the feeding programs.

Thus the preparative procedure is the same for the FNT and the RDX PRE-MIXES.

### 4.2 Preparation of TNT Pre-Mix

The required amount of materials are shown in Table ID.1. The following stepwise procedure is to be followed for the preparation of a 10% TNT PRE-MIX.

Table ID.1
MATERIALS REQUIRED

For Pre-mixWt (kg)	FEED CONC Ball THT (g) +	ENTRATE Mill Feed (g)	<del>&gt;-</del>	PRE-MIX Blend With Feed (g)
1	100	100		008
2	200	200		1600
3	300	300		2400
4	400	400		3200
5	500	500		4000
6	600	600		4300

- 4.2.1 Determine the appropriate quantities of feed and TNT (from Table 1) to be weighed out to prepare the 50/50 TNT/feed concentrate.
- 4.2.2 Weigh out the appropriate amount of TNT and feed.
- 4.2.3 Examine the ball mill jar and balls to be sure they are clean. The ball charge should weigh approximately 3.8-3.9 kg and is a mixture of 3/4" and 1/2" balls. (See logbook C24838 pg. 3).
- 4.2.4 Place the balls in the jar, pour in the weighed feed and then the TNT. Firmly fasten the jar cover and place on the mill. Turn the mill on and record the time.
- 4.2.5 Ball mill for 40 minutes. Record the exact time in the logbook. Remove and open the ball mill jar. Sift the powdered feed/TNT from the balls onto a large piece of paper. (Use the large hardware cloth basket provided to separate the balls and powder.) Weigh this feed concentrations and record in the logbook.
- **4.2.6** Weigh out the larger amount of feed into an appropriate bucket. Record the weight.
- 4.2.7 Open the blender top on each leg of the "V". Put about 1/3 of the concentrate into the blender (i.e., at the point of the "V"). Pour about 1/2 of the feed into the blender. Put another 1/3 of the feed, in the blender, dividing it between the two legs of the "V". Pour the rest of the feed into the blender (1/2 into each leg) and divide the rest of the concentrate between the two legs of the "V". Close the blender.
- 4.2.8 Run the blender for 15 minutes without the intensifier bars on. Turn the intensifier bars on for 15 min. Turn off the blender. Note and record the total blender time.
- 4.2.9 Open the cover at the apex of the V and dump the content of the blender into a Velostat bag. Make sure the blender is completely empty. Seal the bag and label (see 3.4).
- 4.2.10 Clean the blender by running with about 2 kg of feed material only. Repeat this twice. Discard the feed material. Disconnect the blender from the wall outlet, clean the blender with damp wipers.

Clean the ball mill by a similar procedure, i.e., milling feed only, repeated twice followed by a damp wiping.

- **4.2.11** Notify the proper individual that the PRE-MIX is available and expected date of shipment to the Chicago laboratory.
- **4.2.13** The PRE-MIX procedures will be witnessed by second indiviual and second individual will sign the logbook as witnessed.

### 4.3 Preparation of RDX PRE-MIX

The required amounts of materials are shown in Table ID.2. The following stepwise procedures are to be followed for the preparation of a 10% RDX PRE-MIX.

### 4.3.1

- about one kg of alcohol wet RDX is placed in a wide mouth gallon jar containing ½ gal of distilled water
- the jar is agitated for five minutes by rolling on the ball-mill or by shaking
- the RDX water-slurry is decanted through a 60 mesh or finer seive muslin cloth. The crystal cake is drained to remove excess water
- the water wet crystals are then returned to the jar and the above procedure repeated two more times
- after the final wash the crystals are spread on paper toweling and let dry overnight or dried in oven at approximately 100°F overnight
- **4.3.2** Determine the appropriate quantities of feed and the washed and dried RDX (from Table 2) to be weighed out to prepare the 50/50 RDX/feed concentrate.
- 4.3.3 Weigh out the appropriate amount of RDX and feed.
- 4.3.4 Examine the ball mill jar and balls to be sure they are clean. The ball charge should weigh approximately 3.8-3.9 kg and is a mixture of 3/4" and 1/2" balls. (See logbook C24838 pg. 3)
- 4.3.5 Place the balls in the jar, pour in the weighed feed and then the RDX. Firmly fasten the jar cover and place on the mill. Turn the mill on and record the time.

Table ID.2
MATERIALS REQUIRED

For Pre-mix 	FEED COME Ball RDX (g) +	ENTRATE Mill Feed (g)	 PRE-MIX Bland With Feed (g)
1	100	100	003
2	200	200	1600
3	300	300	2400
4	400	400	3200
5	500	500	400 <b>0</b>
6	600	600	4890

- 4.3.6 Ball mill for 40 minutes. Record the exact time in the logbook. Remove and open the ball mill jar. Sift the powdered feed/RDX from the balls onto a large piece of paper. (Use the large hardware cloth basket provided to separate the balls and powder.) Weigh this feed concentrate and record in the logbook.
- 4.3.7 Weigh out the larger amount of feed into an appropriate bucket. Record the weight.
- 4.3.8 Open the blender top on each leg of the "V". Put about 1/3 of the concentrate into the blender (i.e., at the point of the "V"). Pour about 1/2 of the feed into the blender. Put another 1/3 of the feed, in the blender, dividing it between the two legs of the "V". Pour the rest of the feed into the blender (1/2 into each leg) and divide the rest of the concentrate between the two legs of the "V". Close the blender.
- 4.3.9 Run the blender for 15 minutes without the intensifier bars on. Turn the intensifier bars on for 15 min. Turn off the blender. Note and record the total blender time.
- 4.3.10 Open the cover at the apex of the V and dump the contents of the blender into a Velostat bag. Make sure the blender is completely empty. Seal the bag and label (see 3.4).
- 4.3.11 Clean the blender by running with about 2 kg of feed material only. Repeat this twice. Discard the feed material. Disconnect the blender from the wall outlet, clean the blender with damp wipers.

  Clean the ball mill by a similar procedure, i.e. milling.
  - Clean the ball mill by a similar procedure, i.e., milling feed only, repeated twice followed by a damp wiping.
- 4.3.12 Notify the proper individual that the PRE-MIX is available and expected date of shipment to the Chicago laboratory.
- 4.3.13 In the first four months of this program 8 kg of the RDX PRE-MIX will be required each month. This exceeds the capacity of the available ball mill and blender. The following procedure is to be used.
  - 4.3.13.1 Prepare two (2) 4 kg pre-mixes by following steps 4.3.1 through 4.3.10 above. This will result in two sub-batches for the final lot, identified as sub-batch 1 and 2.

- 4.3.13.2 Blend one-half of sub-batch 1 with one half of sub-batch 2 in the "V" blender for 10 minutes with the intesifier bar "on". Repeat with the remaining halves of the sub-batches. These become two new sub-batches. Repeat the procedure.
- 4.3.13.3 Combine the results by alternately dumping portions of the resulting sub-batches into the large Velostat bag. Periodically shaking the bag and mixing the contents. Proceed with steps 4.3.11 and 4.3.12.
- 4.3.13.4 The premix procedure will be witnessed by second individual and second individual will sign the logbooks as witnessed.
- 4.4 Any deviation from this procedure must be first cleared with the project leader and must be recorded as an addendum or revision to the SOP.

Record any unusual occurrence in the logbook and advise the project leader immediately.

In cases of uncertainty contact Robert Remaly, ext. 4309 or Barry Levine, ext. 4901 before proceeding.

### 4.5 Transmittal Record

Transmittal record will be initiated by the person who is preparing the premix. All the pertinent information must be filled. The test article premix record must accompany the premix. Copies of the transmittal record can be obtained from the Principal Investigator.

### APPENDIX IE

# SAMPLE COLLECTION AND STORAGE (TNT AND/OR RDX PREMIX SAMPLES)

Scope.

1.1 This procedure covers the collection and storage of TNT and RDX premix samples prior to analysis.

Materials and Equipment

- 2.1 Small scoop
- 2.2 Powder funnel
- 2.3 Amber vials with plastic screw cap

### Sample Collection

3.1 Personnel of the Life Sciences Division will inform the supervising chemist and the analyst when they receive TNT or RDX premixes. The analyst will collect 6 samples from the Velostat bag container, one from each of four corners and two from the middle. At least 5.0 gram quantities of premix will be collected in order to permit the extraction and analysis steps to be performed in duplicate. All samples will be identified according to the Chemistry Division identification system. All detailed information will be placed in the sample identification logbook immediately.

The sampling procedure for the premix will be performed as follows: One sample is removed from the center of the storage bag with a small scoop which will permit the removal of a 5.0g quantity. The second sample will also be removed from the center of the container in the same manner as the first sample but at a deeper level.

After center sampling, the surface of the premix is restored by leveling and four additional samples will be removed with a small scoop from each of the four corners of the bag at gradually increasing depths by lifting the corners of the bag. The 6 samples will be labeled and placed in amber vials with plastic screw caps. The label will contain Date Sampled, Sample Number, Premix Identification, Lot Number and Sampled by Initials.

### Sample Storage

- 4.1 All samples will be stored at refrigerator temperatures in the dark prior to analysis. This includes feed that will be used for blanks and control samples. Every three months (from manufacturing date) feed will be changed. This manufacturing date will be supplied by Life Science Transmittal Record
- 5.1 Transmitted record will be completed by responsible personnel. A copy of Test Article Premix (T.A.P.) and/or T.A.P. Sample Transmittal (or custody) record is attached (Figure IE.1).

### Sample Disposal

6.1 Samples or parts of samples will be returned to the Safety Officer for disposal.

### FIGURE 1E.1

# TEST ARTICLE PREMIX (T.A.P.) AND/OR T.A.P. SAMPLE TRANSMITTAL (OR CUSTODY) RECORD

Project No Study No(s).	T.A.P
Lot No T.A.P. Prepared	
Intended Concentration:% Quantity	
Logbook No./Page No Storage	Conditions of T.A.P. (K.O.P.):
T.A.P. Received (L.S.R.) Date/By:	Logbook No./Page No.:
Storage Conditions of T.A.P. in L.S.R.:	
T.A.P. SAMPLING AND ANALYSIS	
T.A.P. Sampled Date/By:	Logbook No./Page No.:
Witnessed By/Date: Storage	Conditions of T.A.P. Sample by Chemistry
Personnel:	
Extraction Performed By/Date:	
Analysis Performed By/Date:	Logbook No./Page No.:
Data Reviewed & Approved By/Date:	
Analytical Report Prepared By/Date:	Checked By/Date:
Quality Assurance Check By/Date:	
Analytical Report Received (L.S.R. Supervis	or) Rv/Date:
T.A.P. First Used By/Date: T	
Excess T.A.P. Submitted to K.O.P. Personnel	
Quantity (kg)	• •
Excess T.A.P. Received By/Date:	
Key	
K.O.P. = Kingsbury Ordinance Plant, La Port 5002 = Purina Certified Rodent Chow 5002	e, IN.

### APPENDIX IF

# SAMPLE COLLECTION AND STORAGE (TNT AND/OR RDX DIET SAMPLES)

### Scope

1.1 This procedure covers the collection and storage of TNT and RDX diet samples prior to analysis.

Materials and Equipment

- 2.1 Small scoop
- 2.2 Large scoop
- 2.3 Powder funnel
- 2.4 Amber vials with plastic screwcap

### Sample Collection

3.1 Personnel of the Life Sciences Division will inform the supervising chemist and the analyst when the TNT or RDX diets are available. The analyst will collect 6 samples from the plastic tub container, one from each of four corners and two from the middle. The tubs receiving the rat diets are rectangular with a capacity of 42 liters. The tubs receiving the mouse diets are square with a capacity of 27 liters. At least 30.0 gram quantities of diet will be collected in order to permit the extraction and analysis steps to be performed in duplicate. All samples will be identified according to the Chemistry Division identification system. All detailed information will be placed in the sample identification logbook immediately.

The sampling procedure for the diets will be performed as follows:

One sample is removed from the center of the storage container at the surface of the diet. This sample will be removed with a small scoop which will permit the removal of a 30.0g quantity. The second sample will also be removed from the center of the container about half the distance to the bottom after toxicology personnel have exposed the sampling site by shifting the

diet toward the side of the container using a large scoop. After this sampling, the surface of the diet will be restored by leveling. Four additional samples will then be removed with the small scoop, one from each of the four corners of the container at gradually increasing depths within the container, again using the large scoop to expose the sampling sites. The 6 samples will be labeled and placed in amber vials with plastic screw caps. The label will contain Date Sampled, Sample Number, Diet Identification and Lot Number and Sampled by Initials.

### Sample Storage

4.1 All samples will be stored at refrigerator temperatures in the dark prior to analysis. This includes feed that will be used for blanks and control samples. Every three months (from manufacturing date) feed will be changed. This manufacturing date will be supplied by Life Science Personnel.

### Transmittal Record

5.1 Transmittal record will be completed by responsible personnel.

A copy of transmittal record for diet sample analysis is attached (Figure IF.1).

## Sample Disposal

6.1 Samples or parts of samples will be returned to the Safety Officer for disposal.

# FIGURE IF.1 TRANSMITTAL RECORD FOR DIET SAMPLE ANALYSIS

	Test Week
Lot. No	% Conc. of Premix
Date:	
Date;	
Date:	5002 Lot No.(s)
mg/kg/day sex:	T.Wintended conc. mg/g
mg/kg/day sex:	T.W intended conc. mg/g
frigerator (4°C) From:	To:
als Exposure to the Diet	:
Date	Loghook No./Page No
Diet Samples in Chemistry	y Division
y/Date:	Logbook No./Page No
Date:	Logbook No./Page No
/Date:	Logbook No./Page No
oved By/Date:	<del></del>
oved By/Date:	
	Date:

APPENDIX II
5002 CERTIFICATION PROFILE/ANALYSIS



# TEI ANALYTICAL, INC.



460 SOUTH NORTHWEST HIGHWAY . PARK RIDGE, ILLINOIS . 60068 . 312/696-2070

October 29, 1982

### LABORATORY REPORT

#9166

Page 1 of 2 pages

Dr. Marianna Furedi IIT Research Institute 10 West 35th Street Chicago, Illinois 60616 P.O. #16092

Sample received June 9, 1982

### [TEI-14080] Rodent Chow #5002 - March 24-822G

	Result in ppm	* Method
Nitrate Nitrogen	19.0	7.030
Nitrite Nitrogen	0.24	7.030
Hercury	< 0.05	25.103
Arsenic	0.014	JAOAC 60.813
Cadmium	< 0.05	25.026
l.ead	0.61	<b>25.05</b> 8
Penicillin		Snell & Snell, olorimetric Methods of Analysis Vol IVAAA, p. 221
ВНТ	< 1.0	JBOAC 60,505
вна	< 1.0	JAOAC 60,505
Total Estrogen	not detected	39.000
Chlortetracycline	to be reported at a la date	ter -
Aflatoxin B <sub>1</sub>	< 0.005	26.003
Aflatoxin B <sub>2</sub>	0.01 - 0.02	26.003
Aflatoxin G <sub>1</sub>	< 0.005	26.003
Aflatoxin G <sub>2</sub>	< 0.005	26.003
Dieldrin	< 0.001	29.000
Endrin	< 0.001	29.000
Aldrin	< 0.001	29.000
Heptachlor Epoxide	< 0.001	29.000
ВНС	. < 0.001	29.000

9 P. marks



# TEI ANALYTICAL, INC.



### LABORATORY REPORT

October 29, 1982

**#**916€

Page 2 of 2 pages

Dr. Marianna Furedi IIT Research Institute 10 West 35th Street Chicago, Illinois 60616

P.O. #16092

Sample received June 9, 1982

[TEI-14080] Rodent Chow #5002 - March 24-822G

	Result in ppm	* <u>Method</u>
Lindane	< 0.001	<b>29.00</b> 0
DDT Total	< 0.001	29.000
hetnoxychlor	< 0.001	<b>29.00</b> 0
Chlordane	< 0.001	29.000
Nirex	< 0.001	<b>29.0</b> 00
Toxaphene	< 0.001	<b>29.00</b> 0
Strobane	< 0.001	29.000
НСБ	< 0.001	29.000
PCE	< 0.001	29.000
Polychlorinated Dioxins	< 0.006	28.128
Parathion	< 0.001	29.000
Nethyl Parathion	< 0.001	29.000
Enthion	< 0.001	29.000
Carbophenothion	< 0.001	29.000
Malathion	< 0.001	29.000
konnel	< 0.001	29.000
Diazinon	< 0.001	29.000
Disulfeton	< 0.001	29.000
Phorate	< 0.001	<b>29.0</b> 00

<sup>\*</sup>Official Methods of Analysis of the Association of Official Analytical Chemists.

APPENDIX III
TEI ANALYTICAL CHEMISTRY METHODS

ANALYTICAL PROCEDURES USED BY TEI ANALYTICAL, INC. PARK RIDGE, IL TO ANALYZE PURINA CERTIFIED RODENT CHOW NO. 5002 FOR IMPURITIES

	Limit of	
Procedure	Detectability	References
Chlorinated Pesticide Screen	10 ppb	A.O.A.C. 29.000
Phosphated Pesticide Screen	50 ppb	A.O.A.C. 29.000
Polychlorinated Eiphenyls (PCBs)	100 ppb	
Hexa-, hepta-, octachlorodibenzo-p-d	ioxin <100 ppb	A.O.A.C. 28.128
Feavy Netals		
Arsenic	1.0 ppb	
Cadium	10 ppb	A.O.A.C. 25.026
Lead	10 ppb	A.O.A.C. 25.058
Mercury	<1 ppb	A.O.A.C. 25.103
Nitrates	<1.0 ppm	A.O.A.C. 7.030
Nitrites	<1.0 ppm	A.O.A.C. 7.030
Aflatoxins	2.0 ppb	A.O.A.C. 26.003
Penicillin	<2.0 ppm	Snell and Snell,
		Colorimetric Methods
		of Analysis Vol IV
		AAA, pg. 221
Chlortetracycline	10.0 ppm	Snell and Snell,
		Colorimetric Methods
		of Analysis Vol IV
		AAA, pg. 154
Eutylated hydroxytoluene	1.0 ppm	J.A.O.A.C. 60.505
Eutylated hydroxyanisole	1.0 ppm	J.A.O.A.C. 60.505
Estrogens		A.O.A.C. 39.000

A.O.A.C. - Official methods of analysis of the Association of Official Analytical Chemists.

APPENDIX IV
HEMATOLOGY METHODOLOGY

### Hemoglobin

Cyanmethemoglobin method
Coulter Counter Model S System

### Hematocrit

Indirect method; calculated value based on erythrocyte count and mean corpuscular volume

Coulter Counter Model S System

### Erythrocyte Count

Electronic Counting Procedure
Coulter Counter Model S System

### Leukocyte Count

Electronic Counting Procedure
Coulter Counter Model S System

### Mean Corpuscular Volume (MCV)

Electronic Sizing Procedure
Coulter Counter Model S System

### Mean Corpuscular Hemoglobin (LCH)

Indirect method; calculated value based on erythrocyte count and hemoglobin

Coulter Counter Model S System

### <u>Mean Corpuscular Hemoglobin Concentration (MCHC)</u>

Indirect method; calculated value based on hematocrit and hemoglobin

Coulter Counter Model S System

### Leukocyte Differential Count

Neutrophils - Immature
Neutrophils - Mature
Monocytes
Basophils
Lymphocytes
Eosinophils
Wright stain procedure
Schalm, O.W., Jain, N.C. and Carroll, E.J.
Veterinary Hematology, Color Plates Chapter,
3rd Edition, Lee and Febiger, 1975.

### Nucleated RBCs

Wright stain procedure
Schalm, O.W., Jain, N.C. and Carroll, E.J.
Veterinary Hematology, Color Plates Chapter,
3rd Edition, Lee and Febiger, 1975.

### Platelet Count

Direct Method
Schalm, O.W., Jain, N.C. and Carroll, E.J.
Veterinary Hematology, p. 69, 3rd Edition,
Lee and Febiger, 1975.

APPENDIX V

CLINICAL CHEMISTRY METHODOLOGY

### Glucose

Hexokinase method Centrifichem Centrifugal Analyzer System Neeley, W.E. Clin. Chem. <u>18</u>, 509, 1972.

### Urea Nitrogen (BUN)

Modified urease technique Centrifichem Centrifugal Analyzer System Karmen, A. J. Clin. Invest. 34, 131, 1955

### Glutamic-Pyruvic Iransaminase (SGPI)

Modified Wroblewski and LaDue technique Centrifichem Centrifugal Analyzer System Henry, R.J., Chiamori, N., Golub, O.J., and Berkman, S. Am. J. Clin. Path. 34, 381,1960.

### Lactic Dehydrogenase (LDH)

Lactate ——> pyruvate technique Henry, R.J., Chiamori, N., Golub, O.J. and Berkman, S. Am. J. Clin. Path. <u>34</u>, 381, 1960.

### Alkaline Phosphatase

Modified Bessey-Lowry technique Neumann, H. and Van Vreedendaal, M. Clin. Chem. Acta. 17, 183, 1967.

### Chloride

Silver chloride precipitation method Chloride Meter (Corning Medical Co.) Catlove, E., Trantham, V. and Bowman, R.L. J. Lab. Clin. Med. <u>50</u>, 358, 1958.

### Sodium

Flame photometry
Klina Flame Photometer (Beckman)

### Potassium

Flame photometry
Klina Flame Photometer (Beckman)

### Iotal Protein

Biuret technique Centrifichem Centrifugal Analyzer system Failing, I.F., Jr., Buckley, M.W. and Zak, B. Am. J. Clin. Path. 33, 83, 1960.

### Albumin

Bromocresol green method Centrifichem Centrifugal Analyzer System Rodkey, I.L. Clin. Chem. <u>11</u>, 478, 1965.

### Iriglycerides

Tetrazolium salt reduction method
Centrifichem Centrifugal Analyzer System
Klotzsch, S., Serricchio, M. and Furedi, R.
Advances in automated Analysis
Vol. 1, Mediad Inc., Tarrytown, N.Y. P. 111, 1973.

### Creatine Phosphokinase (CPK)

Modified Oliver method Centrifichem Centrifugal Analyzer System Oliver, I.T. Biochem. J. <u>61</u>, 116, 1955.

### Cholesterol

Cholesterol esterase-cholesterol oxidase method Centrifichem Centrifugal Analyzer System Roseschlaw, P., Bernt, E. and Gruber, W. Z. F. Lin. Che. u. Klin. Biochem. 12, 226, 1974.

### Calcium

Alizarin method
Centrifichem Centrifugal Analyzer System
Connerty, H.V. and Briggs, A.R. Clin. Chem.
11, 716, 1965.

### Bilirubin. Iotal

Modified Walters and Gerarde method Centrifichem Centrifugal Analyzer System Walters, M. and Gerarde, H. Microchem. J. 15, 231, 1970.

### Bilirubin, Direct

Modified Walters and Gerarde method Centrifichem Centrifugal Analyzer System Walters, M. and Gerarde, H. Microchem. J. 15, 231, 1970. APPENDIX VI
INDIVIDUAL ANIMAL DATA

Table VI.1

1WFNIY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXAHYORO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT SURVIVAL RATE DAIA

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EVENT 0 = SPONTANEOUS DEATH OR MORIBUND SACRIFICE FVFNT 1 = SCHEDULED SACRIFICE

Table VI.1 (continued)

IWFNIY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF

HEXANYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT

SURVIVAL RATE DATA

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w>wZ+ 0000	
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EVENT O = SPONTANEOUS DEATH OR MORIBUND SACRIFICE EVENT 1 = SCHEDULED SACRIFICE

Table VI.1 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF

HEXALIYDRO-1,3,5-IRINITRO-1,3,5 IRIAZINE(RDX) IN THE FISCHER RAT

SURVIVAL RATE DATA

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EVENT O = SPONTANEOUS DEATH OR MORIBUND SACRIFICE EVENT 1 = SCHEDULED SACRIFICE

Table VI.1 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
HEXAHYORO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
SURVIVAL RATE DATA

	· ——						
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Table VI.1 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHVORD 1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT SURVIVAL RATE DATA

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Table VI.1 (continued)

1WENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
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Table VI.1 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF
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Table VI.2

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT INDIVIDUAL BODY WEIGHTS (G)

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# Table VI.2 (continued)

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Table VI.2 (continued)

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Table VI.2 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF

HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL RODY WEIGHTS (G)

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Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF

HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL BODY WEIGHTS (G)

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Table VI.2 (continued)

Twenty four month chronic foxicity/carcinogenicity study of
HEXAHYDRO-1.3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL BODY WEIGHTS (G)

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## Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT INDIVIDUAL BODY WEIGHTS (G)

TEST WEEK

	38	409	444	408	457	476	367	421	435	449	1	441	446	410	392	1	1	425	1	448	378	438	441	406	368	456	430	414	433	 	443	1	459	428	414	368	4 18	448	420	407	2
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i	34	404	435	396	441	469		412	428	440	1	433	438	405	392	1	1					426	441	396	357	438	424	408	422	1	437	!!!	443	410	404	357	406	433	408	402	
1	32	397	423	375	435	456	348	404	425	434	1	422	433	401	383	1	1	409	408	424	328	4 16	423	394	353	439	420	402	4 19	1	422	1	440	410	399	358	406	436	388	398	074
(	9	986	416	368	435	460	349	392	<b>4</b> 13	420	1 1	4 10	422	390	380		1	396	402	411	357	407	424	385	352	426	412	90	417	1	4 15	1	435	<b>4</b> 00	387	348	397	429	391	390	775
1	28	386	419	373	428	452	338	379	4C6	417	1	402	418	385	375	1 /	1	388	393	406	354	406	420	386	343	420	405	387	401	1	409	1	428	90	384	346	398	426	388	388	4 0
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	24	375	398	365	422	441	329	381	401	408	378	398	4 13	388	365	370	390	372	337	402	345	397	398	418	340	379	387	388	804	384	401	367	409	392	370	333	390	417	369	376	5
,	22	371	390	353	4 15	432	322	375	388	8	374	378	372	409	360	361	375	365	380	388	346	396	398	367	335	409	388	381	388	383	396	357	405	388	368	329	390	408	367	367	700
,	20	361	387	353	405	421	312	363	373	389	359	37.1	389	364	349	351	369	362	377	386	339	381	386	357	322	397	37.1	364	377	367	393	350	396	380	329	318	377	398	359	366	200
	80	348	378	344	395	307	304	355	363	379	350	359	384	357	331	339	350	349	363	371	330	372	379	352	312	330	369	363	378	361	379	347	388	371	350	314	367	393	348	353	-
	9 }				379	391	297	343	350	359	343	345	369	345	314	323	340	329	351	362	317	356	368	345	306	375	353	348	365	345	358	329	371	348	340	294	351	371	329	333	000
	7	324	358	325	358	375	278	332	331	344	324	333	358	327	304	300	333	317	338	346	307	336	357	331	283	364	333	333	323	341	326	320	359	341	325	287	344	353	328	314	000
	£ ;	314	338	311	346	359	272	327	331	346	326	343	360	337	303	298	332	312	336	346	305	327	348	329	260	336	333	321	344	334	342	304	350	330	312	279	338	349	305	313	321
	2	307	340	316	345	355	270	320	319	312	333	333	350	327	292	286	322	298	329	340	297	320	341	321	280	350	326	311	332	330	332	304	345	326	313	275	326	343	295	313	<u>0</u>
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1	o	275	308	282	313	320	239	298	290	281	298	309	316	301	262	261	300	309	308	314	268	295	314	298	256	315	300	282	307	293	304	268	320	296	287	248	298	304	286	281	107
	80	265	900	275	274	304	232	284	283	274	294	296	292	294	251	258	296	302	305	257	258	282	305	298	244	309	293	277	298	282	296	262	314	291	280	246	286	297	277	272	607
1	7	250	288	261	284	285	215	272	262	256	276	286	291	278	248	248	280	235	285	284	246	246	285	277	230	287	275	260	280	267	284	244	293	280	264	230	272	273	261	256	7 40
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1	ın i	218	247	233	251	254	191	244	229	228	238	250	260	249	223	224	253	206	252	259	226	244	254	252	200	253	246	230	250	237	257	209	253	235	223	207	243	237	2 19	224	K 3.4
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1	e i	173	207	196	212	206	154	201	198	187	189	208	214	213	185	181	217	156	213	209	181	193	209	216	166	208	206	185	200	195	216	166	215	204	186	169	205	184	191	180	0
1	7	153	178	170	196	183	137	185	175	157	166	180	189	186	162	156	192	140	193	188	174	180	197	193	143	178	182	161	177	169	195	144	182	174	163	143	179	147	166	159	9
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	-5	79	79	83	8	91	7.1	8	88	72	69	83	97	87	86	72	96	7.1	92	92	88	86	106	92	69	16	83	78	85	88	5	7.1	94	80	80	70	96	99	85	76	ò
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Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF

HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL BODY WEIGHTS (G)

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		32	372	346	368	405	1	1	406	!	424	404	376	378	439	316	443	218	199	205	216	217	233	202	232	199	1	228	209	777	7 C	3 !	217	201	206	209	193	222	000	208	,
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		26	356	331	359	396	330	395	l t	409	405	386	349	353	1	358	425	!!!	190	194	205	210	230	200	219	199	206	226	210	[17	aot	210	206	196	200	8	186	214	200	203	i
		24	353	327	356	389	312	391	377	369	392	386	343	354	413	349	408	202	188	185	208	210	223	195	218	197	203	218	206	200	20	204	203	192	200	197	184	215	333	206	!
		22	350	322	346	377	367	382	368	400	381	373	331	347	402	352	404	196	181	190	203	206	220	183	217	188	204	212	198	9 6	0 0	200	197	187	2 0 0	193	181	210	186	38	
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		Ξ	292	274	285	312	303	300	310	322	320	302	280	268	332	288	330	165	163	172	176	178	188	164	177	158	175	185	174	5 2	000	174	177	165	167	180	160	185	163	2 6	) 
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		4	195	181	202	239	226	220	225	223	222	199	176	206	232	211	236	128	124	124	148	147	149	136	150	130	144	145	133	149	95.	5 0	144	136	143	146	130	156	661	145	
		e	170	159	184	214	203	196	201	193	193	174	153	187	201	189	208	131	121	128	138	136	143	126	140	121	136	138	123	4 .	2 0	9 5	141	132	137	139	124	145	132	135	
		2	154	140	167	161	174	175	184	173	171	143	130	161	179	168	179	127	112	118	127	134	126	118	129	112	123	128	113	961	77.	124	132	125	127	126	114	140	123	125	)  -
		-	133	119	141	160	148	141	157	134	152	=	106	131	147	114	142	117	8	104	114	113	122	103	115	102	109	119	5	123	2 5	5 5	123	113	114	9	103	131	51.	112	
		-	107	96	113	124		108	130	104	118	95	93	114	118	116	108	103	87	06	96	96	106	90	8	87	06	101	82	5 5	9 0	0 6	107	96	001	94	88	114	5) (i	56	,
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Table VI.2 (continued)

TWENLY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT INDIVIDUAL BODY WEIGHTS (G)

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	38	232	233	216	221	242	222	225	1	1	215	206	1	227	1	217	215	225	!	225	8	218	210	198	237	229	212	201	220	506	207	220	221	218	221	213	236	236	7 7	210	) V
	36	225	232	216	202	246	219	223	ŀ	1	211	203	1	222	1	214	216	212	1	218	28	214	206	200	234	222	213	198	219	208	204	215	220	216	218	211	228	235	0 0	2 6	) -
	34	219	224	216	2 10	243	215	221	1	1 1	210	198	1	218	1	214	2 18	211	1	217	196	216	204	193	229	218	207	192	222	203	204	212	215	216	219	210	226	227	5 7 7	200	)
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	8	213	223	506	204	236	210	213	1	1 /	208	193	1 2 1	215	1 7 1	208	215	206	!	204	186	205	196	190	216	217	201	197	212	195	195	209	207	202	202	205	215	222	4 6	104	)
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	26	214	218	202	202	227	206	209	186	207	200	194	206	209	204	201	210	206	200	205	184	207	194	186	218	193	197	186	208	193	190	1 1	206	203	202	198	220	219	- 2	707	2
	24	210	218	201	80	222	202	208	185	205	199	191	204	204	199	8	204	8	197	207	178	202	191	184	218	206	193	182	207	191	188	208	202	197	199	197	219	218	208	36	7
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Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF
HEXAHVURO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
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Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINDGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT INDIVIDUAL BODY WEIGHTS (G)

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- NO AVAILABLE DATA

Table VI.2 (continued)

IWFNIY FOUR MONIH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
HEXAHYURD-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL GODY WEIGHTS (G)

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		6	145	157	165	144	141	167	178	169	157	173	174	156	173	163	155	154	155	133	148	144	144	146	153	160	154	149	157	164	159	126
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		7	148	163	170	141	138	160	172	165	155	170	156	154	169	150	147	127	148	143	143	140	140	142	148	152	146	152	143	150	153	148
		9	146	160	163	136	135	157	169	161	153	159	152	148	170	152	144	139	147	126	140	138	137	142	147	143	143	139	50	50	151	146
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		4	134	150	149	125	128	147	152	148	140	141	144	140	152	140	133	128	137	116	129	128	131	131	134	136	134	133	138	142	141	133
		က	124	140	139	117	118	137	141	140	131	132	130	129	133	127	121	118	125	106	121	119	120	123	129	126	127	127	132	129	132	126
		8	113	130	129	107	110	125	131	129	126	120	121	121	124	120	111	108	116	96	109	Ξ	601	115	116	114	116	116	122	117	124	911
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- - NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINDGENICITY STUDY DF

HEXALITORO-1,3,5-TRINITRO-1,3,5-TRIAZINE(ROX) IN THE FISCHER RAT

INDIVIDUAL BODY WEIGHTS (G)

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		70	395	! 1 1	•	443	444	453	443	497	1 1 1	 	506	442	427	463	442	425	468	1 1	1	461	!	404	1 1	1	450	479	432	431	450	 	441	467	1 1	481		436	490	-	434	475
		68	396	1	i !	439	448	448	435	487	1	1	492	441	423	467	443	416	465	1 1		449	:	966	!	!	455	493	438	420	442	1	433	471		478	!	438	478	!!!	427	480
		99	399	1 1	1 1	425	438	428	426	466	! !	1 1	493	442	421	460	437	393	457	1	1 1 1	452		319	!!!	1	451	488	432	417	438	! !	416	463		475	1 1	430	466	!!!	410	467
		64	409	1 1	1 1	425	446	440	438	491	;		491	430	399	440	438	447	457	1 1	1	446	• • •	384	;	! ! ;	435	484	416	4 16	444	!!	438	471	!	472	1 1	399	432	! !	374	428
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		48	423	1	423	464	451	449	435	494	1	1	498	442	417	464	449	452	463	1	457	448	445	420	1	449	450	494	438	406	453	435	434	476	449	477	1	479	452	414	442	460
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		42	408		406	452	435	422	426	475	1	1	496	416	404	442	439	442	444	1	448	435	435	408	1	433	447	490	436	396	442	426	417	462	436	451	1 1	459	449	404	433	450
		40	398		396	439	433	415	417	475		1	484	422	402	444	433	431	440		437	418	430	405	1	433	444	487	435	393	434	426	412	444	416	460	1	458	431	399	121	444
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--- - NO AVAILABLE DATA

Table VI.2 (continued)

\*\*MFNIT FOUR MONIT CHRONIC TOXICITY/CARCINGGENICITY STUDY OF

HEXAHYDRO-1,3,5 TRINITRO-1,3.5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL BODY WEIGHTS (G)

47	436	403	449	378	468	398	419	1 1	417	1 (	480	4 . U .	6 4 C 1	4 4 U (	924	440	465	449	406	483	1	1	;	;	1	427	1 1	415	4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	7 6 7	700	2 F	0 (	4 . D .	4 C	987	305	;	1
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y	432	391	451	384	472	388	480	1 1	4 15	1	464	420	475	431	413	41	441	44	396	464	-	} ! !	1 1	t 1	 	402	1	430	430	488	5	432	4 / 3	426	448	275	290	. i	!
49	432	397	445	378	470	378	478	1	434	1	467	415	470	414	453	438	461	444	401	454	!	1	) 	1	1	425	1	426	423	476	491	411	469	426	444	276	280		!
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9	457	404	452	380	467	392	474	1	433	1 1	468	432	484	461	447	420	458	441	4 10	464	:	1	423	1	1 # 1	430	1	444	446	481	503	435	464	426	454	268	273		1
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Table VI.2 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF

DEXAMYDRO: 1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL BODY WEIGHTS (G)

		74	1	270	267	1	278	277	309	287	284	327	717	282	9/2	263	1	267	244	252	!	1 1	1 .	242	1	1 1	279	274	4 6	997	270	2 1	9 7 7	7 4	7	0	7 0	493	1	491	499	
		72	1	267	271	1	279	279	304	286	301	326	264	273	268	258	1	275	238	245	1	1 1	1	238	1	1 1	282	277	567	287	000	07	753	000	0		4 d	200	)	491	509	
		70	t 1	272	267	:	278	275	294	279	290	325	259	272	261	246	!	267	235	245	!	1 2	1 1	241	1 1		281	279	5 6 6	207	77.0	7	9 7 7	9 1	40		4 P	408	) !	487	506	
		68	i i	566	267	!	274	264	294	273	286	319	258	274	259	246	!	262	536	241	1 1	1 1	1	238		i i j	268	272	287	268	1 0	607	1 4	4 t	460		4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	4 0 G	2 1	490	512	
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		42	247	226	211	1	227	227	263	228	250	258	232	236	234	230	265	216	217	219	1		212	204	227	1	217	244	238	248	;	228	428	419	430	411	448	464	284	47	4 C.	;
		40	239	224	217	1	228	223	259	228	247	248	224	234	236	231	265	215	213	218	1	; !	212	206	220	1	215	240	230	250	1	230	426	415	430	420	459	480	48	1	4 C	) )
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= NO AVAILABLE DATA

Table VI.2 (continued)

IMFNIY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXALLYDRO 1,3,5 TRINITRO-1,3,5-TRIAZINE(PDX) IN THE FISCHER RAI INVIVIDUAL BODY WEIGHTS (G)

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	48	1 1		450	463	451	450 445	408	426	419	436	460	444	1 + 1	!	469	463	468	434	445	452	429	452		458	453	439	444	540 414	362	457	1 1	512	454
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- NO AVAILABLE DATA

Table VI.2 (continued)

\*\*INFINITY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO 1,3,5 IRINITRO 1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT INDIVIDUAL BODY WEIGHTS (G)

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		99	412	1	407	135	440	452	420	436	455	471	428	419	462	423	462	1 1	442		1	407	459	435	443	1	471		241		287	:	288	560	287	252	236	253	282	346	306	
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		54	4 18	1	411	436	423	450	417	430	478	473	443	425	467	420	452	1 1	439	1 1	1	4 18	461	452	442	1 1	458	1	232	1 1	270	1	271	253	260	238	225	245	270	400	282	
		52	01	398	398	430	420	446	406	430	468	470	439	416	456	410	449	í !	436		422	411	457	442	443	1	459	1	234	:	261	!!!	259	250	260	233	226	245	265	900	278	
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		44	414	383	408	431	409	438	409	424	460	459	428	413	452	404	444	4 15	432		413	403	444	439	436	1	452	1	223	230	247	232	245	234	236	216	216	230	239	7 + 6	260	
		42	407	379	404	433	4 10	431	406	418	456	450	423	402	443	408	442	414	434	1	409	407	440	433	429	1 1 7	445	1 2	222	230	244	225	238	237	241	224	215	232	226	0	249	
		40	407	383	397	431	405	432	405	412	456	448	417	406	442	405	440	4-1-	437	( (	407	400	444	432	430	!	441	!!!	219	225	242	222	234	234	235	220	209	227	224	5	242	
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Table VI.2 (continued)

IWENTY FRUE MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF

HEXAULINGO 1,3,5-TRINITRO 1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL BODY WEIGHTS (G)

	,	247						•																												•	•		
	į	228																																					
	70	237	266	257	267	284	1	234	255	274	251	293	257	245	!	1	-	277	282	!	300	251	253	278	292	! ! !	299	268	-	276	238	291	1	1	1	298	1	1	245
	99	234 273	252	252	260	284	1	235	245	270	241	281	254	250	1	-	1	276	288	1	296	236	246	276	291	-	282	255	248	264	242	284	1	1	1	296	1	!	238
	99	230	252	252	255	273	1	227	245	260	248	273	251	238	1	1 - 1	1	262	280	1	285	236	235	268	283	1 1	281	245	249	254	223	270	1	1	1 1	283	1	1 ,	231
	64	225 257	256	237	243	273	;	211	240	255	237	271	255	250	1	1	1	267	275	1	270	235	239	269	569	-	273	244	228	278	232	280	f t	1	f 1 1	278	!	f	230
	62	221	234	237	236	288	1 2	238	233	246	232	277	267	243	1	1	\$ 3 1	266	275	1 1	263	233	236	276	279	1	278	246	239	269	228	283	1	1	1 1	279	1	i	226
	9	226	237	242	255	283	t t	233	234	250	233	267	258	237	1		!	260	263	1	266	235	240	271	261	1	272	247	255	265	227	276	1	1 1	1	264	1	1	222
WEEK	58	226 267	233	231	245	277	1	231	230	247	229	264	258	236	1	1 1	1	253	272	1	264	235	230	267	268	1	267	244	251	260	223	269	1	1	1	260	:	1 1	228
TEST	56	222	232	222	244	274	1	232	225	236	222	261	252	232	1	-	:	251	566	1	264	236	233	262	261	1	566	240	249	263	220	270	1 1	1	1	249	!	1 1	224
	54	220	234	219	243	278	!	228	222	233	221	260	246	229	1	!!!	1	249	262	1 1	262	240	234	266	262	1	265	240	245	260	217	263	;	1	1	247	:	i	222
	52	219	228	218	241	271	! !	225	223	234	227	252	245	232	1	1	1	240	262	1 1 1	277	234	230	262	259	1 ,	264	234	243	255	219	256	235	;	240	254	271	1	218
	50	221	221	213	244	270	229	224	219	233	218	253	238	229	268	1	1	228	239	1	259	236	223	257	257	258	265	240	238	252	219	261	232	1	238	252	272	1	2.18
	48	212	221	215	238	268	229	223	211	226	212	247	236	228	261	J 1 i	1	234	247	J 	255	230	221	248	253	260	256	239	239	248	215	261	227	1 1	232	253	266	1	2 18
	46	203	218	205	229	265	225	219	209	210	211	254	228	225	253	1	1	233	241	1	248	228	217	253	251	257	258	237	233	243	211	258	225	1	23.1	249	797	1	219
	44	209	217	202	233	260	219	215	205	218	215	245	220	222	256	1	: 1	228	240	1	244	221	214	248	246	249	254	228	233	245	212	255	226	1	225	244	262	1	209
	42	208	211	202	225	251	223	215	200	217	209	239	214	216	248	! !	1	223	235	1	239	213	212	245	240	245	251	226	224	243	209	250	220	1	226	235	256	l J	2 10
	40	193	212	200	229	250	219	206	203	214	202	235	212	214	245	!	1	218	228	1 1	238	219	215	238	237	250	243	228	221	235	204	241	215	1	223	229	254	1 1	206
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Table VI.2 (continued)

1WFNIY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF

HEXAH7DRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL BODY WEIGHTS (G)

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282	7	•	215	219	226	Ö	231	243	1	1 1	] 	1 1	;	!	1 1	1	1	!	1	t 1 t
283	7	<b>L</b>	213	214	222	229	229	227	234	230	236	246	252	253	264	265	569	268	267	265
284	7	ı	246	254	258	ŝ	263	264	27.1	281	274	282	288	291	294	295	300	303	307	307
285	7	u_	229	234	234	3	242	241	239	246	248	251	253	249	259	263	257	265	264	569
286	7	<b>L</b>	213	220	217	3	224	228	227	232	243	244	243	246	245	239	243	255	260	259
287	7	L.	212	219	217	Ö	224	229	229	230	229	233	237	241	244	253	256	251	258	259
288	7	<b>L</b>	219	215	217	Ñ	235	235	233	234	241	246	253	264	264	265	271	273	279	275
289	7	<b>L</b>	237	220	226	ň	230	234	230	234	231	235	241	237	240	232	233	240	240	243
290	7	<b>L</b>	212	237	245	ŭ	256	258	258	271	566	275	280	282	288	596	299	301	305	303
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294	7	<b>L</b>	226	232	236	ĕ	238	244	245	258	258	261	264	274	271	271	279	282	287	294
295	7	<b>La.</b>	214	221	221	Ň	229	240	231	238	238	247	254	252	264	271	272	272	276	278
296	7	<b>u</b> _	211	218	217	-	220	224	221	227	227	229	236	244	242	240	243	248	250	246
297	7	<b>L</b>	221	227	233	'n	232	238	238	237	242	242	244	240	246	244	251	262	270	246
298	7	•	212	217	218	-	225	227	230	223	227	236	236	246	232	247	246	258	246	264
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309	9	Σ	473	474	419	476	481	480	476	489	484	486	496	499	448	468	481	480	489	485
310	က	Σ	433	436	442	4	450	450	!!!	1 1	1 1	1 1	1 [	1 1	1 1	1	1	!!!	† 1	!!!
311	က	Σ	442	445	452	Ġ	451	455	456	459	455	455	453	451	448	445	451	456	453	4 18
312	က	¥	435	438	435	ë	445	440	442	446	440	446	440	450	455	464	474	484	489	503
313	9	Σ	398	405	406	õ	414	421	420	411	429	430	417	411	424	414	373	398	406	405
314	E	Œ	442	444	4.16	ũ	449	451	461	458	462	463	474	460	465	465	453	447	449	448
315	က	Σ	414	413	422	~	430	426	438	431	443	451	1 1	1 1	1 1 1		1 1	1 1	!	!
316	က	Σ	399	405	412	410	413	417	419	1			1	1 1	1 - 1	 	1 1	! !	1 1	1 1
317	က	Σ	437	438	443	449	450	463	* *	1 1		1	1		1 1	1		‡ ]	! !	:
318	3	\$	398	412	416	417	420	426	426	432	429	429	427	434	431	425	437	438	440	448
319	9	Σ	464	462	413	480	490	485	489	493	501	439	495	484	485	489	491	490	488	484
320	က	Σ	444	446	448	450	455	458	456	466	462	455	467	455	459	461	467	475	478	472

Table VI.2 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGENICITY STUDY OF
HEXAHYDRU-1,3,5 IRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL BODY WEIGHTS (G)

	74	415	1	446	489	529	401	457	451	1	1	465	478	1	432	1	!	451	445	460	402	t t	1	435	404	491	460	441	i i I	† 	468	] 	489	436	444	420	1	482	461	279	489
	72	407	1	442	482	523	401	455	446	:	1	466	482	i i i	430	1	1 1	452	446	462	401	1	1	431	400	490	457	446	;	1 1	465	1	184	437	444	415	! !	477	458	317	480
	70	411	1	439	487	520	400	454	446	1	1	469	473	!	435	1	1	454	442	464	414	1	 	432	400	484	453	443	} !	1	457	1	480	439	435	408	1 1	475	457	362	483
	68	408	1	442	494	256	394	450	441	1	!!!	468	473	1 1	434	1	1 1	464	.140	461	417	1	467	433	396	474	449	439	451	!	463	 	487	441	439	402	1	466	450	389	480
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Table VI.2 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF

HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL BODY WEIGHTS (G)

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Table VI.2 (continued) MONIH CHRONIC TOXICITY/CARCINOGENICITY 5-TRINITRO:1,3,5-TRIAZINE(RDX) IN THE INDIVIDUAL RODY WEIGHTS (G)	¥ EEK 58	257	256 276	256 249		236	- 1 1	244	250	247	241	222	261	258	259 232	1 1	222	221	23/	239		257	040	258 235	
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Table VI.2 (continued)

IWENIY FOUR MONIH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF
HEXAH/DRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL BODY WEIGHIS (G)

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450	e	<b>L</b>	230	228	236	4	248	252	254	259	268	272	275	280	279	278	281	284	288	291
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179	4	Σ	395	397	398		408	408	408	412	412	402	412	422	419	419	416	4 19	417	413
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Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF

HEXAHYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL BODY WEIGHTS (G)

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486	4	Σ	433	436	445	453	451	448	449	448	457	445	450	437	449	453	451	451	461	453
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489	4	Σ	412	4 16	426	426	432	424	428	426	426	431	426	420	429	436	433	429	429	431
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510	4	2	436	441	442	437	442	444	454	433	452	449	447	449	448	448	450	458	454	450
511	4	¥	428	427	429	429	429	442	436	444	441	444	442	446	427	426	432	425	435	417
	4	<b>3</b>	452	454	453	456	459	459	458	464	464	468	463	454	451	453	455	454	450	452
513	4	Œ	404	405	404	405	398	405	403	414	411	412	412	409	410	401	399	392	9	404
-	7	2	470	460	467	468	462	472	462	466	474	483	470	477	468	470	480	464	469	458
_	4	Œ	414	4 18	4 16	420	428	425	-	-	1	1	1	1	!	!	:	1	1	
516	4	Œ	456	455	464	469	472	470	469	480	476	480	482	492	473	466	484	476	484	478
-	4	I	369	375	392	393	383	383	386	386	382	383	384	369	369	376	376	358	j L	† !
518	4	I	339	349	357	362	361	355	356	360	362	364	368	365	369	366	364	360	354	364
5 19	4	Z	410	420	434	435	432	423	421	422	434	445	433	434	413	426	433	433	412	430
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Table VI.2 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL BODY WEIGHTS (G)

		74	391	399	422	451	4 -	261	-	<b>5</b> 66	286	271	269	295	282	242	202	271	246	!	1	1	1	261	-  -  -	-	277	262	259	237	271	296	263	273	322	308	305	334	! !	293	253	:
		72	387	403	429	452	412	260	1	259	292	271	269	280	267	231	506	272	243	1 1	;	;	1,1	259	;	!	272	257	258	241	276	303	261	210	322	312	303	332	! !	294	254	1
		70	387	407	425	446	4 18	250	1	260	286	263	263	288	273	240	204	270	239	1 1	1	1	1	261	!	f 1	273	245	520	236	266	305	258	263	311	305	299	332	; !	284	244	f !
		68	397	403	420	444	423	251	1	254	282	261	253	283	273	236	201	260	237	!	!	1		255	1	1	268	233	243	235	262	289	253	260	290	299	292	326	1	280	231	! !
		99	395	407	406	440	412	248	1	242	272	250	258	274	272	234	195	247	222	1 1 f	!!!	l l	1 - 1	250	1 1 6	1	257	235	242	230	265	288	242	255	270	292	289	315	1	279	223	!
		64	392	398	415	446	414	246	:	247	260	252	241	277	259	230	<del>6</del>	240	526	:	!!!	!	1 1	241	1 1	1	251	236	232	233	253	284	240	255	323	294	282	318	1	280	207	!
		62	381	393	420	449	421	241	!	244	270	250	243	281	261	225	196	346	223	ł l	! !	1	1 1 1	242	1 1	1	252	237	223	228	238	290	240	263	314	292	283	309	1	275	230	ł 1
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	WEEK	58	403	413	413	446	4 16	243	;	234	259	242	233	258	254	224	196	236	216	;	! }	1	1	243	1	t 1	247	228	227	228	244	279	234	254	298	271	263	295	1	258	220	1
	TEST	56	396	408	409	444	4 19	238	[	223	254	239	232	250	245	217	193	239	212	f	1	[	1	237	1	1	245	226	229	222	244	277	231	255	298	264	262	287	-	255	214	<i>t</i>
		54	389	413	405	447	415	234	1 1	224	249	238	229	249	243	221	194	232	2 10	:	1	!!	1	235	1	ι !	241	230	227	223	232	569	228	254	292	257	250	273	!	250	219	
		52	392	402	395	441	417	235	1	223	245	236	223	248	238	219	197	228	506	1 4	!!	;	1 1	233	! !	224	239	223	225	224	236	264	224	250	294	526	252	566	1	244	223	217
		50	392	412	396	448	419	240	248	219	243	236	222	247	240	217	190	227	204	:	1	228	1	232	-	224	238	220	225	224	233	269	226	248	294	261	255	265	1 1	243	223	217
		48	388	410	395	443	4 18	239	240	220	242	536	223	241	235	216	<b>5</b> 00	228	203	1 1	1	231	1	228	1	223	235	222	222	221	229	259	227	249	292	255	252	267	1	239	224	216
		46	382	406	380	439	414	234	242	219	240	233	221	245	234	217	196	221	202	! !	1 1	225	1	226	1 1	218	226	217	218	214	222	246	218	249	286	254	258	261	; 1	237	222	217
		44	382	404	381	431	406	227	236	213	235	232	217	245	231	211	192	218	197	1 1	1	219	1	224	1 1	218	225	214	215	219	214	245	215	244	276	248	240	262	1 1	232	215	214
		42	377	393	373	428	397	231	234	212	229	227	214	242	227	212	192	220	194	;	1	214	;	225	1	212	220	213	215	211	214	244	213	242	278	243	240	256	:	233	216	211
		40	371	398	375	4 18	399	224	230	209	228	223	210	234	216	201	191	214	193	1	†	217	:	216	1	211	222	509	213	215	220	536	213	232	277	238	235	247	!	223	509	506
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<b>4</b> —	zc	, .	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	545	543	544	545	546	547	548	549	550	551	552	553	554	552	556	557	558	559	260

Table VI.2 (continued)

TWELLTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF
HEXAHIOPRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL BODY WEIGHTS (9)

47	272	262 290 248	274 248 302 282	266 332 248 285 240	255 243 290 273 257	272 248 236 215 115 117 117 117 117 117 117 117 117 1
72	278 266 266	269 286 251	273 243 300 276	264 329 244 240	251 251 251 271 251	2244 2346 232 232 252 251 251 251
01	270	282	271 229 293 279	258 322 245 280 240	243 242 280 280 250 221	255 2547 2247 2231 2254 2554 2554 2554
89	263	242 242	263 224 270	255 318 246 262 237	235 235 271 261 245	236 236 236 231 231 251 252 253 253
99	269	255 274 238	268 230 267 266	254 312 247 250 234	240 223 223 256 254 244	258 245 224 224 201 111 111 111 111 111 111 111 111 111
64	237	236 236 238	260 231 265 259	260 240 238 234	235 224 224 257 248 243	2461 2455 2032 2032 2022 2024 1 1 1 1 2 2 4 4 4 1 1 1 1 1 1 1 1 1 1 1
62	258 237 256	250 250 270	248 231 270 268	258 319 238 251 228	2234 2244 242 242 242	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
09	256 238 250	2244 2338 238	248 230 256 11	253 309 235 251	232 232 226 260 245 234 206	2252 232 232 232 1999 211 250 233
WEEK 58	242 242	2238 2338 2336	226 226 253	249 300 237 244 228	226 226 226 243 238	2236 2236 2236 2236 2237 2330 2330
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52	! !					2235 2238 2223 2223 2257 2257 2257
						2242 2338 201 201 201 201 201 201 201 201 201 201
	1 1					2248 2227 232 232 232 242 258 258 258 258 258
46	40 40 30 90	227 24 24	21 17 36 27	18 12 14 14	255 24 20 34 03	227 229 229 230 24 24 25 25 25 25 25
4	32 36 36 26	243 253 253	17 16 37 21	221	22 117 147 147 288	224 22 22 22 2 2 2 2 2 2 2 2 2 2 2 2 2
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Table VI.2 (continued)

IWENIY FOUR MONTH CHRONIC TOXICITY/CARCINGENICITY STUDY OF
HEYAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL BODY WEIGHTS (G)

Table VI.2 (continued)

\*\*TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT INDIVIDUAL RODY WEIGHTS (G)

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	70	1	1 1	1	1	-	374	364	1	371	390	383	1	1	359	366	361	:	1	:	338	1 1	329	1 1	111	378	1	329	-	1 1	348	1	396	403	1	1	255	241	232	1	!
	68	!!	1 4	:	1	1 1	364	37.1	1	373	376	382	1 1	1	365	362	355	1	1	1 1	355	1	320	1 1	1 1	385	1	338	1	!!!	342	1 1	396	398	1 1	1	236	236	239	1	[ ] ]
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	64	!	1	1	1	1	361	365	:	960	373	382	!	:	352	354	345		!	:	348	:	334	1 1 1	!	375	!	324		!	346	!	392	394	: !	<u>:</u>	250	232	250		!
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	54	1 1	1	1	1	1 1	358	390	1 1	385	381	395	1 1 3	320	349	374	342	1	283	!	365	1	348	1 1	1	383	1	336	1	!	359	t !	397	394	1 1	1	241	235	222	1	1 1
	52	)   	]	1	1	1	362	377	1 1	375	382	387	!!!	333	326	366	358	1 :: 1	323	1 1	355	1 1	351	1	1	377	1 1	333	1 1	1 1	326	1 1	398	389	1	369	229	231	231	!	i 
	50	       	1 1	1	1	1 1	378	380	1 1	388	386	391	1 † J	340	361	376	358	1 1	330	1 1	369	371	364	 	1 1	382	1 1	335	1	-	347	382	404	403	1	378	237	229	226	1	F 1
	48	1	, , ,	,	1	,	37.1	381	) !	392	389	383	J (	354	365	384	350	) } 	338	3 1	370	376	370	1 1	!	369	1	340	1 1	: !	347	373	399	403	384	373	228	227	219	!!!	
	46	     		1 1	356	1 1	37.7	382	1 1 7	392	387	386	1 1	351	363	380	349		338	1 1	369	377	37.1	! !	1 1 3	379	: .	347	388	1 1	350	381	409	408	380	377	236	231	220	1 1	•
	44		1		37.1	2 1 1	375	389	355	390	387	385	!	351	354	371	352	!	342	\$ -	370	378	378	1	,	377	; 1	352	366	1	360	391	966	107	382	375	229	229	208	1 1	:
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	40		1	1	374	1	370	380	370	366	391	363	384	333	355	364	348	1	329	1	360	351	370	346	1	364	1	333	397	1	342	386	389	386	381	351	205	227	209	1	1
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Table VI.2 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF

HEXALLORO-1.3.5-TRINITRO 1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL BODY WEIGHTS (G)

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681	5	(	234	235	238	246	240	244	242	246	243	248	255	252	249	247	251	255	257	261
682	ស	<b>LL</b> (	224	226	223	225	226	221	226	232	231	226	232	236	233	222	226	235	231	244
683	n u		247	246	251	255	270	253	/67	]   	]       	!!!	\$       	! ! ! !	     	     	! 	1		! ! ! !
685	n n	. 14	247	245	249	252	253	254	255	250	253	250	248	242	245	245	249	242	247	242
989	ល		248	242	248	244	254	253	250	255	258	265	259	262	258	261	256	253	258	251
687	Ŋ	L.	231	217	232	229	244	232	240	246	244	257	242	253	253	240	251	536	249	262
688	ស	L.	1	1 1	i i	1 1	1	1 1	1	1	ł 	1	1	1	!	1	1 1	!	i i	! ! !
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691	r.	<b>.</b> .	246	244	242	245	248	244	239	240	240	239	241	235	246	252	248	252	252	254
692	ខ	L.	259	260	262	260	259	260	254	265	257	267	265	262	269	260	265	264	268	275
693	ß	<b>L</b>	265	260	560	259	265	268	267	277	274	566	281	276	284	586	283	278	289	293
694	ព	LL.	235	247	245	245	244	250	} ! !	 	1	1	1 1 -	1 1	1	!!!	t 1 1	-	1	1
695	r.	u.	225	237	245	246	245	250	259	245	248	247	246	241	241	229	239	247	242	243
969	2	u.	237	239	536	240	242	239	1	1	1	1		1	1	1 1	1 1	!	1	! ! !
697	r.	<b>L</b>	235	242	248	238	230	250	249	256	261	265	259	268	566	254	262	279	271	267
869	S	L.	212	233	236	246	249	241	246	247	236	245	231	248	230	235	248	556	261	263
669	ស	u.	207	212	202	211	208	221	215	217	221	230	225	230	222	228	232	239	236	238
200	ស	LL.	258	259	254	257	264	254	260	1 1	;	1	!!	1 1	;	1 1	1 1	1 1	1 1	1 1
101	ហ	L.	241	247	252	253	250	256	248	253	526	265	261	259	252	262	258	257	253	257
702	Ŋ	u.	236	238	243	247	250	254	247	250	251	245	255	249	261	247	249	243	254	254
703	ស	Ŀ	258	255	566	265	271	267	. 265	566	566	272	265	566	261	264	275	265	265	569
104	ស	ų.	262	265	265	561	264	258	256	264	259	248	253	242	238	248	262	256	258	252
705	S	<b>L</b>	263	566	560	258	254	258	254	251	255	256	262	250	256	262	268	270	264	272
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707	S	L.	255	255	256	257	258	247	250	249	256	566	264	256	257	566	271	255	261	270
708	ហ	ı.	230	238	243	241	240	245	241	244	253	243	239	235	233	245	255	241	251	245
109	ស	<b>L</b>	251	260	255	260	265	248	260	267	272	265	262	263	260	566	267	275	272	267
7 10	ស	L.	229	231	241	244	238	248	254	253	526	254	253	246	242	243	248	258	246	244
711	ស	<b>L</b>	1	!!	1 1	1	! !		1 1		1 1	 	!!!	1 1	1	 	1 1	:	! !	: :
712	ស	u.	241	247	250	248	263	262	250	262	258	266	267	282	278	272	281	281	268	264
713	រប	u.	1	l t	1 1	1	1	1 1	1 1		111	1	1 1 1	1	!	1 1	1	ļ i	! !	;
714	2	u.	569	277	279	274	274	265	!!!	1	!		   t 	1	!	!	1 1	1 1	!!	!
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716	ស	L.	250	255	254	267	267	267	262	264	569	566	569	263	240	254	262	271	271	566
717	S.	u.	215	215	232	233	234	536	232	232	238	246	250	250	247	239	247	245	248	241
7 18	r.	<b>-</b>	243	248	254	264	272	270	276	1	!		!!			1 1	1 1	1 1		1
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Table VI.2 (continued)

\*\*TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF

\*\*HEXAHYDRO-1,3,5-TRINITRO-1,3,5 TRIAZINE(RDX) IN THE FISCHER RAT

\*\*INDIVIDUAL BODY WEIGHTS (G)

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		72	262	272	1	248	1	272	1	267	272	1	1	257	269		243	240	267	225	240	1	1	1	1	248	253	266	257	!	243	251
		0,	256	271	; ;	248	-	272	:	265	267	ł	!	263	266	1	242	245	278	224	246	!	1	1	1	245	250	269	260	!!	252	241
		89	262	277	1 1	251	!	275	!	267	263	1	1	255	267	†  -  -	230	254	276	232	242	1 1 1	1	1		248	246	264	254	1 1	261	251
		99	253	277	1	536	1	267	1	265	260	)   	1 1	248	267	1	232	242	569	228	248	;	! !	1 1	1 1	254	241	267	260	1	243	246
		64	238	569	:	234	!	258	1	257	259	1 1	!	249	254	1 1	228	247	265	224	243	!!!	:	1 1	1	245	248	566	255	1	253	245
		62	253	286	1	243	1 1	262	1 1	251	251	!!	!	251	270	1 1	235	254	272	229	249	1	1 1	 	1 1	244	250	268	258	! !	261	250
		09	251	277	1	248	1 1	278	280	284	275	!	1	244	273	1 1	241	265	267	228	248	1 1 1	!	1 1	! !	245	248	267	263	1 6	253	250
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		ů.	230	263	!	238	1	265	285	280	566	! !	1 1 1	240	269	1 ! (	235	244	268	222	245	:	•	! !	   t   f	241	244	264	264	226	255	244
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		46	244	569		245	243	258	292	255	266	1	251	259	272	:	250	260	271	225	242	!	1 1	;	!!!	246	238	270	262	240	260	235
		44	245	263	:	238	243	262	290	264	259		253	256	566		250	256	264	213	248		1	1 1	1	252	270	232	266	251	244	231
		42	234	254	, ( )	230	245	256	286	265	265		252	254	27.1	1	247	250	253	205	242	239	1 1	1 1 1	1	244	256	233	263	248	241	232
		40	239	258	1	229	243	252	291	271	261	1	244	252	262	! ! !	243	252	247	202	244	245	1 1 f	1 1	1	237	232	248	251	254	231	233
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	ıs u	×		Ŀ	<b>L</b>	L.		<u>.</u>	LL.	L.	L.	<u></u>	<u>.</u>	Ŀ	i.	<u>.</u>		L	u.	L	L.	L	L.	LL.	<u>.</u>	<b>L</b>	<b>L</b> .	L	i.	<u>.</u>	<u>.</u>	L
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:	z c		721	72	723	724	725	726	727	728	729	730	731	732	733	734	735	967	737	738	739	740	741	742	743	744	745	746	747	748	749	750

= NO AVAILABLE DATA

Table VI.2 (continued)

IWENIY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF
HEXAHYDRU 1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL BODY WEIGHTS (G)

401	1 1		! ! !	1	406	445		t t	!	i !	! !	282	!	349	368	436	414	1	1 1	423	1	399	1 1	1 1	427	i !	427	1 1	l ! l !	1 6	332	43.	1 1	398	!!!	419	410	1 0	486	ļ
102	1 1	111	,	1	4 15	460	! ! !	1	!	1	482	276	4 10	356	396	443	428	1	J l l	441	, ,	411	) !	)   	428	1 (	828	0 1	)   		366	446	1 1	404	1	440	476	1 (	486	1
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86	1 1 1 1 1 1 1 1	; !	j 1	376	426	450	]	} !	) 1	, 	482	300	421	400	405	448	135	 	1 1	448	-	412	1 1 1	1	441	281	434	505	! !	t 1 t 1	406	446	1	424	1 1	453	474	F 1	478	1 1
96	; ; ; ; ; ; ; ;	;	!	374	431	455	1 1	1	! !	1	490	409	422	418	417	451	446	1 1 2	1 1	454	1 1 4	414	1 1 1	1	447	412	436	2	l 	!!!	432	452	1	426	!	447	488	(       	476	!
94	330	) ;	1	404	436	458	!	1	1	!!!	490	422	425	444	415	445	452	!!!	 	462	; !	415	!	1 1	451	434	440	5	! ! !	1 1	443	455	1 1	436	1 1 1	447	484	1 1	474	! !
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88	414	- 1	!	424	443	459	439	502	] [	  -  -	501	445	428	467	442	453	460	1	!!!	465	! !	414	† 	1 1	452	480	442	402	! !		461	426	f !	464	1	454	488	1 1	468	1
98	42.1		1	429	446	453	438	494	1	1	505	440	428	472	432	446	466	; ; 1	1 1	465	1 1	413	k # 	1 1	456	486	441	5.0	487	1 1	466	466	1	469	1 1	446	488	1 1	476	;
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8	434	7 1	1 1	443	451	464	440	501			508	429	436	470	444	447	465	; ; 1	, ,	459	1 1	413	1	1	449	493	437	2 4 4 2 1 4	4 5 5	; ; j ;	465	473	J	468	1	44.1	487	1 1	46:3	405
08	430	2 1	1 1	867	451	439	444	502	1	1 1	508	433	432	477	439	446	465	1	1 1	456	1 1	414	!!!	1 1	456	200	443	4 t	426	1 1	465	1.7	1 1	480	1	448	495	1 1	472	438
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FEET ZO			· •		- <del>-</del>	<b>-</b> • •	7 1	89	6	10	-	12 1	13 1	14 1	15 1	16 1	17 1	18	19	20 1	21 1	22 1	23 1	24 1	25 1	26 1	27 1	28	23	200	31	32	33	34	35 1	36 1	37 1	38 1	39	40

Table VI.2 (continued)
OUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF	HEXAHYDRO-1, 3, 5-TRINITRO-1, 3, 5-TRIAZINE (RDX) IN THE FISCHER RAT	INDIVIDUAL BODY WEIGHTS (G)

	104		ļ 1	4 16	377	461	404	435	1 +	1	1	344	396	441	f L 1	1 1	[ ]	428	399	368	1	1	{   	1 1	!!	1	399	f 1	1 1	368	396	497	412	446	412	394	328	300	} 	1	[
	102		276	428	377	468	401	440	!	368	) t	362	412	457		1 1 1	1 1	441	415	381	1 1	1	!!!	•	1 1	•	411	 	1	399	4 18	502	417	156	423	417	330	318	i t	 	} 
	100	1	307	428	389	471	403	447	;	390	i i	420	411	470	1 1	1 1 1	! ! 1	441	4 16	381	1	1 1	1 1	1 1 1	1	i 1	419	!!!	1 1	406	444	504	416	456	427	432	325	321	1 1	!!!!	!!!
	98	;	391	413	381	468	399	449	1 1	412	1 1	446	405	463	I f	1 1	+	438	4 18	387	1 1	1 1	!		1	† ;	418	1 1	1 1	427	449	501	409	459	423	434	328	318	1 1	1	1
	96	1	398	453	374	471	403	458	1 1	413	!!	459	409	469	337	† 	1 1	442	421	388	1 1	1 1	1 1 1	1 1	1	1 1	420	1 1	385	428	449	493	413	464	417	438	323	325	1 1	 	1
	94	; ; ; ; ;	404	448	382	471	402	454	{ ! !	414	1 1	464	412	470	330	f 1	1 1	454	424	388	1	f I	[ ]	[	1	1	423	1	411	438	436	502	4 18	457	420	447	327	326	1 1	1	(
¥	92	1 1	404	454	389	457	402	462	1	422	1	472	414	475	364	1 1	[ ] [	454	422	391		1 1	; † (	i !	:	1	425	1 1	407	441	423	507	417	465	423	444	322	322	1 1	1 1	1
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	80	454	407	467	385	468	405	486	1	425	; !	489	421	487	460	449	461	471	440	401	488	1 1	1 1	!	1 1	1 1	435	1	413	457	491	5 10	432	483	429	448	302	302	1	t 1	!!!
	78	4:13	407	455	390	469	A 10	476	!!!	423	!	484	423	488	448	453	450	465	. !	402	1 1	1 1	;	1 1	1 1	1 1	432	1 1	417	452	498	513	433	483	432	455	299	298	!	) t	1
	76	440	408	461	388	471	405	484	1 1	421	1 1	486	426	486	452	454	446	474	460	408	499	!	1 1	•	!	i ;	423	1 1	421	457	503	517	433	475	4.4.1	452	288	797	1		1
νu	/×	Σ	Σ	Σ	Œ	Œ	¥	Σ	Σ	Σ	Z	Ξ	Z	Σ	Σ	Σ	Œ	Σ	Σ	Σ	Σ	¥	Σ	₹	≨	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	<u>.</u>	ı	<u>.</u>	<b>L</b>	<b>L</b> .
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z		41	42	43	4.4	45	46	47	48	49	50	5	52	53	54	55	56	21	58	59	09	19	62	63	64	65	99	67	68	69	70	1.	12	73	14	7.5	91	11	78	19	80

Table VI.2 (continued)

\*\*IMFNIY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
\*\*HEXALIYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT
\*\*INDIVIDUAL BODY WEIGHTS (G)

	104	:	1 1	261	316	329	304	i 1	331	290	!	1 1	243	1 1	1 1	297	328	!	1		302	293	320	292	317	298	261	!	297	288	!	1 1	f 1	1 1	1	253	!	[	1 6	5 - 1 2 - 1	
	102	:	1 :	263	321	320	596	1 - 1	331	323	!	1 1	244	1 1	304	302	330	1 1	1 1	1	301	596	316	296	319	307	272	303	296	280	!	1 1	1 1	1 1	1 1	281	1 1	295	295	312	
	100	1 1	313	272	314	322	301	ł 1	337	330	!!!	1	246		305	296	328	1 1	1	-	296	290	316	291	313	301	275	306	296	269	1	1 1	1	!	!!!	284	!	287	323	313	1
	98	1	316	269	317	324	293	1 1	340	334	!!!	1 1	249	1	304	297	330	1 1	!!!	1 1	294	291	322	294	313	298	280	303	294	566	1 1	 	!!!	1	1 1	283	!!!	287	358	115	1
	96	1 1	322	270	313	328	305	1	329	324	! !	1 1	249	1 1	307	297	324	!	302	!!!	298	287	318	294	314	292	286	301	288	271	t 1	† •	1	l 	1 1	276	1	285	369	311	1
	94	!	319	569	317	332	301	1 1	328	324	1	111	252	1	296	285	322	1 1	285	1	296	289	319	292	306	295	295	298	291	280	1	;	!	1	1	277	1	283	375	313	
Ä	92	!	317	264	310	327	298	1	323	326	1 1	} 	254	1	304	287	322	! !	267	1	297	290	323	293	309	292	298	295	286	274	! !	1 1	!!	!!!	1 1	280	1	289	365	304	ı
TEST WEEK	06	!	310	267	306	320	295	1 1	317	329	1 1	1	245	1	296	288	318	1	264	1 1	292	288	312	288	303	300	287	291	284	569	1	1 1	308	1	1	276	1	280	360	305	ı
	88	1 1	310	259	301	323	298	1 1	316	321	1 1	1 1	248	1 1	287	285	310	1 1	270	1 1	290	287	314	280	293	295	286	281	273	275	255	1 1	304	1 1	1	273	1	283	357	787	ı
	986	1	307	261	298	310	292	1 1	312	322	1	1	240	1	291	283	316	1	275	1 1	283	281	315	272	297	294	288	285	282	273	292	1 1	304	1 1 1	i !	272	1	282	360	282	I
	84	1	310	261	599	314	287	i ! !	311	319	1	1 1	235	1	277	268	299	1	259	1	289	286	313	272	294	287	285	289	280	265	308	1	290	1	t : !	268	1 1	279	366	787	ı
	82	;	306	255	533	308	282	!	311	326	1 1	1	220	:	284	274	303	1 1	273	!	279	283	304	27.4	29.4	29.7	290	28:1	277	264	31.5	: 1	295	; ;	1	26.4	1	273	367	295	1
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	78	1	292	1	290	291	275	1	299	309	1 1	1 1	1	1	275	271	307	1	286	1 1	284	283	300	1 1 1	282	279	278	280	277	256	310	1	292	1 1	1 1	251	1	265	351	9/7	
	76	!	288	251	282	299	274	1 1	299	307	1 i 1	1	227	1 !	274	270	299	!!!	286	1	275	280	296	264	274	279	289	28.7	272	253	301	1 1 1	286	188	1 1	2.47	1	258	343	280	
0 a C =	1	<u>.</u>	-	-	L.	-	<b>L</b>	-	<b>-</b>	-	<b>-</b>	<b>L</b>	-	<b>L</b>	<b>-</b>	<b>L</b>	L.	<b>-</b>	<b>L</b>	<b>-</b>	-	<b></b>	<b>-</b>	<b>-</b>	<b>L</b>	-	<b>-</b>	<b>L</b>	-	<b>-</b>	<b>.</b>	<b>-</b>	-	<b>L</b> .	<u>ن</u> ا -	<b>-</b>	L.	<b>L</b>	<b>.</b>		-

Table VI.2 (continued)

\*\*INFINITY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAPPORO-1,3,5 TRINITRO-1,3,5 TRIAZINE(RDX) IN THE FISCHER RAT INDIVIOUAL BODY WEIGHTS (G)

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•	ے د	<b>.</b> ×	9/	78	S)	82	,	86	88	06	95	94	96	86	100	102	104
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122	-	L.	278	281	280	293	291	278	287	291	301	302	301	299	289	293	279
123	-	ı	279	276	284	292	286	286	292	291	294	297	298	596	307	304	301
124	-	ı	1 1	F 1	! !	1	1	1 1	1 1	!	i l	\$ 1 1	! !	] 	!	! !	 
125	-	u	285	242	1 1	1 1	1 1	1 1	1	1 1	1 1	1	1 1	1 1	1	1 1	) ) )
126	-	L	281	284	289	289	292	289	295	299	302	304	308	307	307	313	308
127	-	٠.	307	320	325	326	329	321	329	327	333	332	333	334	338	341	332
128	-	u.	596	298	290	299	304	295	302	309	304	300	304	300	295	1 1	] * 
129	-	u-	282	291	596	303	300	297	303	294	311	303	314	324	309	319	321
130	-	L.	327	334	326	325	317	324	318	321	329	336	344	344	357	355	340
131	-	ų.	211	281	282	284	285	283	288	285	295	295	297	300	298	307	305
132	-	<u>_</u>	293	289	284	291	294	297	291	298	296	299	303	297	294	287	288
133	-	u.	283	289	291	291	299	302	307	312	323	324	330	324	327	321	322
13.1	-	L.	263	263	276	283	282	289	293	297	308	308	304	312	302	305	301
135	-	4	:	;	!!!	, ! !	1	!	1 1	1	!!!	1 1 1		1 1	1	1	 
136	-	L.	277	275	283	295	281	290	289	293	296	307	304	309	308	315	308
137	-	L.	2.19	255	259	265	265	569	268	271	268	277	281	276	267	569	1
138	-	ı	255	262	263	272	268	277	278	282	283	283	283	287	295	290	288
139	-	<b>L</b>	1 1	!	1	1	1 1	1 1	1 {	1	1	!!!!	1 1	1 1	!!!	1	 
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142	-	u.	239	247	261	208	262	283	284	287	299	297	297	291	301	i     	1 1
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144	-	<u>.</u>	: !	1 1	1 1	J I I	† !	1 1	1 / 1	!	1	1 1	1 1	1 1	1 1	 	i i
145	-	<b>L</b>	280	283	286	289	298	292	291	298	300	314	310	309	312	315	321
146	-	<b>L</b>	280	284	286	301	305	307	300	306	313	321	32.1	321	316	324	328
147	-	L I	297	301	302	302	306	310	297	292	307	313	313	317	308	312	313
× .		٠.	282	744	162	301	2.1	312	5	31,	4 1 4	32/	322	9 9	<u>د</u> ا	ภ - า	322
ה קי	- •			700	; C		100		000	100	300		700	203	193	204	787
- L	، -	. 3	707		607	1 1	2 1	0 :	007	• I	) : ) : N !	) (	) i	) 1	) ( ) (	; ; ) ;	- 1 )   
15.2	, 0	Σ	458	452	459	456	450	450	457	457	444	436	426	420	4 18	416	400
153	0	Σ	461	463	458	455	449	453	457	447	437	433	428	432	433	428	437
154	2	Σ	1	1	1	J I	1 1	! !	!!	1 1	1 1	1 1	1	1	1 1	1 1	1
155	2	Σ	478	181	475	466	463	460	458	455	452	454	440	434	436	432	421
156	7	Σ	495	497	495	475	418	310	285	1 1 1	1 1	1 1	1	1 1	:	1	) 
157	6	Σ	502	498	487	492	480	483	481	477	471	471	454	458	442	418	379
158	7	Σ	1	1	)	1 3	 	1 1	1	i i	1 1	1 1 1	1 1	 	1 4 1	1 1	1
159	0	Σ	495	501	500	502	499	494	496	488	471	432	356	1 1	1	1 1	! !
160	0	Σ	497	503	501	495	495	490	496	491	488	482	471	464	456	451	1

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Table VI.2 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGRENICITY STUDY OF

HEXAHYDRO 1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL BODY WEIGHTS (G)

	104	; ;	;	427	1	1	404	 	1	1	1	-	411	1	429	477	1	1	454	419	!!	388	1	1	420	273	582	4 16	1	1	447	403	!	8	409	346	!	!	490	1 1	345
	102			433	1 1	!!	432	441	111	1	1	1	413	1	436	486	 	!	457	447	1	398	1	t 	419	259	558	425	1	444	452	404	1	422	399	338	!	1	478		433
	<del>1</del> 00		† I	436	† 	{ ! !	423	443	*	ł 1	!!!	1 1	409	312	434	485	! !	)   	459	439	1	413	; !	!!	426	348	533	431	1	448	456	407	1	467	420	348	324	1 1	482	1	450
	86	; ; ; ; ; ; ; ;	1 1	447	!!!		449	435	1 4 1	1	1	1	4 19	366	435	493		1 1	460	453		417	;	!	431	402	499	433	1	455	448	404	1 1	469	422	354	367	1 1	491	1 1 1	455
	96	; ; ; ; ; ; ;	1	444	1	!	450	439	1	1 1	-	1	411	405	434	501	1 t	1 1 f	460	454	! 1 1	421	!	1 1	437	412	494	434	1 1	458	457	412		486	426	361	389	1 1	493	1 1	460
	94	 	1    -	453	1 1	338	460	435	f I	1 1 1	! ! !	[ t	414	426	434	508	<b>!</b>	{ !	465	463	!!!	412	f 1	1	435	4 18	484	432	{ !	466	457	415	<i>!</i>	494	426	358	409	<i>&gt;</i>	200	} 1	472
3	95		 	456	!!!	403	466	439	!	!!!	1 1 1	) 1 [	418	432	431	503	1	1 1	463	462	1	416	; ;	1	445	414	479	446	1	465	466	409	1	496	431	356	428	1 1 1	512	1 !	476
3	90 B		1 1	456	l 	422	473	442	!!!	1 1	1 1	1 1 1	422	441	443	502	1 1	1	460	464	1 1	445	! !	1	446	423	481	446	1 1 1	465	467	413	1 1	504	434	358	442	1 1 1	510	1 1	472
	88	1 1 1 1 1 1 1 1 1	 	461	!!!	426	475	445	1	ł } 	L	l 1	427	441	446	503	! !	1	459	474		450	1	1	440	428	486	435	i i	476	466	422		508	442	358	447		506	380	481
	98	1 1 1 1 1 1 1 1 1	1	460	1 1	438	477	446	) 1 1	1 1	1 1	1	426	454	447	497	1 1	1	465	465	335	449	!!		442	424	476	438	1 1	469	469	416	1	513	438	357	456	1	504	441	476
	84	! ! ! ! ! !	1	458	 	454	478	444	t ! !	!	!	1 1	430	451	448	496	1	1 1	469	470	410	450	1	1	445	428	478	452	1	473	471	423		206	440	360	455		505	444	478
	82	, , , , 1 , 1 , ,	!!!	459	1 1 #	450	488	439	!!!	1	 	1 1 1	437	464	457	497	!	!	465	47.4	453	446	1 1	1 1	447	428	481	451	1 1	482	469	421	1 1	518	443	370	453	1	504	447	483
	80	; ; ; ; ; ; ; ;	1	464	1	466	485	445	!	) 	)   	1	424	464	448	493	1	]	460	473	458	447	1	1	449	421	479	454	:	478	470	425	1	510	440	365	454	1	518	448	482
	78		1	450	} ? 	461	1 1	441	!	1 1	!!	1 1	435	463	456	490	1	1	468		478	447	1 3 1	1	456	428	479	452	1 1	482	471	428	1 1	487	425	345	454	!	514	1 1	480
	76	1 1 1	1	454	; ; [	460	478	435	1	1	1	 	427	462	459	490	1 1	;	470	487	485	443	1 1	1 1 2	452	423	474	447	1 1	482	478	423	1 1	509	439	360	458	1 1	513	467	484
ţ	νшх	Σ	Σ	Σ	Œ	Σ	Σ	Σ	Σ	¥	Σ	Œ	Σ	I	Σ	Σ	Σ	Œ	Z	¥	Σ	¥	Σ	I	æ	Σ	Σ	X	Σ	Σ	Σ	Σ	Σ	¥	Σ	Σ	Σ	Σ	Σ	Σ	Σ
o ∝ (	) J d	2	6	7	7	7	7	7	~	7	7	7	7	~	7	~	7	7	7	7	7	7	7	7	7	7	2	7	7	7	7	7	7	7	7	7	7	7	7	7	7
; د	z o ·	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	19.3	194	195	196	197	198	199	200

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Table VI.2 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF

HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL RODY WEIGHTS (G)

		104	406	1 1	358	402	!	426	418	392	461	l 	!!	415	258	1	415	1 1	1	! !		400	462	1 1	417	 	1 1	†  -	256	1	328	1	! !	319	1	300	287	299	1	! !	272	327
		102	409	1 1	371	405	1	428	4 18	435	464	t 	 	418	342	1 1 1	416	1	1 1	1 1		4 1 4	459	1 1 7	426	1 1	!	  - 	260	!	329	! !	!!!	317	224	596	286	297	1 - +	1 1	267	330
		100	407	!	389	406	1 1	433	421	442	464	!	1 1	409	393	j 	420	1 1	1 1	<u> </u>	!!!	412	463	1 1 1	424	 	1 1	1 1	238	1	327	1 1	1 1 1	321	272	295	289	297	1 1 1	1	275	331
		86	417	1	405	420	332	439	419	446	463	!	1 1	427	437	1 1	418	1	1	1	1 1	4 10	458		433	1 1	!		566	1 1	336	1	566	312	261	293	286	299	1 1	1 1	268	331
		96	417	1	414	420	396	434	430	447	467	l l 1	1	433	449	1 1	431	!	† 1	1	!!!	4 10	456	484	439	:	1	1   1	279	!!	321	1 - 1	296	320	256	292	282	298	!	1 1 1	271	337
		94	418	1	427	420	4 18	446	433	451	466	 	1 1	431	456	1 1	447	1 1	1 1	1 1	!!!	412	461	469	441	!!!	1 1	1 1	291		325	1	331	323	266	290	281	302	1 1	1   1	262	331
	J.	92	419	! !	434	4 16	418	453	430	463	473	k 4 1	1 1	436	459	-,-	446	1 1	1 1	1	1 7 6	4 10	460	468	436	1	1		293	1,1	322	1 1	335	318	277	289	281	304	!	1 - 1	266	328
	TEST WEEK	06	418	t !	434	428	423	455	428	461	468	1 1	1 1	431	464	1 1	444	1 !	1 (	1 (1	!!!	420	462	465	446	! !	!		291	1 1	320	1 ( )	328	312	303	283	276	304	249	1 1	270	334
	,-	88	416	!!!	421	439	426	458	432	462	466	t 1	1	440	473	1 1	452	:	412	1 1	1 1	427	469	468	452	1 !	1 1	i i	284	1 1	317	1 1	327	310	317	283	268	298	281		262	324
		86	420	1	420	436	428	459	431	461	464	1 1	1 1	437	466	} [	455	1 1	451	1 1	!	424	459	466	456		459	<b>†</b>	289	1 1	312	1	321	308	330	286	267	298	306	1 1	264	326
		84	411	! !	415	440	434	464	431	458	461	1	;	434	466	363	467	;	454	1 1	1 1	422	459	459	444	1 1	466	1 1	286	1 1 1	312	1 1	326	305	339	286	261	291	311	1 1	262	329
		82	411	1	412	434	427	46.1	432	464	461	,   		436	472	359	470	!	443	) 	; ! !	419	463	452	444	1 1	464	) 	286	1 1	311	1 1	322	302	346	278	259	292	305	• • •	266	325
		80	421	:	414	451	434	461	435	462	464	1 1	4 1	438	468	344	466		460	!!!	,	429	460	453	454	f 1	459	1	276	1	304	:	313	298	334	275	248	787	305		266	329
		78	418	1 1	422	453	434	465	432	460	466	1 1	334	433	467	392	472	!	458	1	1	430	469	452	450	1 1	460	1 1	269	1	301	;	1 1	293	341	273	255	281	300		761	316
		16	422	 	421	453	440	462	435	452	466	!	387	429	462	419	478	1 1	458	1 1	!	431	470	147	454	1	475	1	262	i i	302	:	306	282	331	273	250	279	306	1 .	255	315
	SI	×	<b>.</b>	Œ	¥	Σ	ž	Z	Σ	Σ	Σ	Œ.	Σ	Œ	¥	I	Œ	I	¥	¥	I	I	¥	I	¥	Σ	Σ	L	u.	_	L.	<u>.</u>	<u>.</u>	Ŀ	L	_	L.		<b>L</b>	<b>L</b>	Ŀ	L
<b>ت</b> و	: 0 =	ے د	7	~	7	~	7	2	7	2	7	7	7	7	7	7	~	7	~	~	7	2	7	2	7	7	7	7	7	7	7	7	2	7	7	2	7	7	۰	2	2	7
د ــ ه	zc		201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240

- NO AVAILABLE DATA

-- = NO AVAILABLE DATA

Table VI.2 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF
HEXAHYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL BODY WEIGHTS (G) 342 342 300 300 283 302 321 TEST WEEK 306 336 274 275 334 335 333 233 276 272 272 311 272 275 275 321 331 273 296 271 310 209 209 209 209 209 209 309 301 301 301 259 322 284 284 305 305 306 267 291 317 254 279 263 299 239 258 287 265 265 266 283 306 ZO

Table VI.2 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL BODY WEIGHTS (G)

		104	306	 	900	336	268	283	300	301	314	341	1	295	1	306	;	282	295	320	!	† ! !	) 	364		324		1 1 1		411	!	! ! !	1	1	404	286	1	!	1	348	282	379
		102	314	1 -	306	333	296	291	308	302	316	34 1		295	-  -  -	305	271	283	296	312	!!!	!!	:	404	1 1	394		1	1 :	4 16	!	! !	468	1 1	408	305	1 1	1	!	412	370	378
		100	308	1 1	308	330	307	291	302	301	309	349	1 1	290		309	297	278	293	296	!	1 1	!	417	! !	421	!!!	!	!	419	321	1	463	1 1	414	320	-  -  -	1 - 1	1 1	414	405	388
		86	306	!	306	328	315	277	308	296	314	342	111	291	! ! !	308	304	282	292	312	1	1	! !	423	 	417	1 1	i 1	!	422	414	1 1	450	1 1	411	330	!!!		1 1	416	466	399
		96	302	1 1	303	326	300	287	304	297	308	343	1	297	278	301	303	283	292	304	!	1	1 1	426	!!!	422	 	1	1	415	471	!!!	451	1 1 6	404	357	1 1	116	1 1 6	422	487	438
		94	301	 	298	320	298	284	596	295	310	341		290	275	314	303	279	596	299	!	1 1	!!!	433	!	419	1 1	:	1 1	431	478	;	450	292	407	375	1 1			428	496	447
	¥	92	302	:	293	318	304	279	294	295	303	339	!!!	290	281	313	303	278	292	306	:	1 1	1 1	431	1 1	428	1	314	1 1	432	479	1	453	293	379	389	1 1	1 1	1 ,	432	489	450
	TEST WEEK	06	300	;	283	326	596	276	290	287	293	331	1 1	282	275	308	300	278	290	283	1 1 2	1	1 1	429	1	426	1 :	307	1 1	442	483	1	459	309	403	414	1 1		1 1	431	488	450
		88	293	!	279	318	290	263	283	293	290	331	1 1	279	281	308	298	569	283	285	; !	1 1	    }	432	1 1	429	 	326	! !	445	487	1 1 3	457	336	392	430	; ! !	t t		414	496	452
		86	295	1	282	319	290	257	273	281	286	329	!	284	282	304	599	273	283	285	} ! ;	1	1 1	431	! !	415	 	327	!!!	443	487	1	451	363	382	442	1 1	!	1 1	444	491	454
		84	297	1 1	278	316	291	275	282	297	281	325	1 1	281	276	317	298	271	285	283	1 - 1	!!!	1 1 1	429	:	426	!!!	333	1	448	483	1	452	361	408	453	1 1 1	1	 	444	488	457
		82	6	t t	273	318	286	274	280	294	279	320	!!	279	265	306	298	274	285	284	;	!		426	:	431	1 1	364	1	452	488	!!	450	377	407	446	: 1	;	( 1 1	445	488	470
		80	291	1 1	276	312	278	265	278	288	280	315	1 1 2	273	262	306	287	264	267	280	1	1 1	1	430	1 1	433	1 1	380	1	445	485	t t	455	478	413	445	1	1 1	•	447	493	474
		78	285	1	275	310	277	262	271	281	261	307	! !	271	261	302	284	261	696	275	1 1 1	1 1 1	 	434	1 1	432	!!!	410	† 	450	483	1 1 1	1 1	504	1	449	!	1	1 1	451	492	473
		76	281	1	265	300	278	260	598	274	250	304		268	256	302	292	260	264	272	1 1	1 1	1 .	427	!!	440	1	421	1	440	492	1 1 1	454	507	409	452	i i	•	1	446	490	474
	S	×	<u>.</u>	L	<b>L</b>	u.	ų.	L.	<u>u</u>	Ŀ	<b>L</b>	L	ı.	L	u.	u	LL.	LL.	Ŀ	_	Ŀ	<u>.</u>	¥	Σ	Σ	Σ	Σ	Σ	¥	¥	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Œ	Σ	Σ	Σ	¥
៤០	0 :	ے د	7	~	7	7	7	~	~	7	7	7	7	7	7	7	7	8	8	7	7	7	n	က	m	3	က	e	က	က	က	၉	၉	6	က	m	6	က	e	9	6	m
۷ ـ	z		281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	8	301	305	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320

-- = NO AVAILABLE DATA

Table VI.2 (continued)

IWFNIY FOUR MONTH CHRONIC TOXICITY/CARCINDGFNICITY STUDY OF

HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL BODY WEIGHTS (G)

402         404         402         394         389         395         391         389         389         389         389         389         389         389         389         389         389         389         389         394         386         447         409         377         409         397         380         397         389         394         386         376         378         398         397         386         376         379         397         398         394         386         376         378         380         397         398         397         398         397         398         397         398         397         398         397         398         397         398         397         398         397         398         499         499         489         489         489         489         489         489         489 <th>S E X 76 78 80</th> <th>76 78</th> <th>6 78</th> <th>80</th> <th>1</th> <th>82</th> <th>88.4</th> <th>98</th> <th>80 I</th> <th>TEST WEEK</th> <th>92</th> <th>98</th> <th>96</th> <th>86</th> <th>8</th> <th>102</th> <th>104</th>	S E X 76 78 80	76 78	6 78	80	1	82	88.4	98	80 I	TEST WEEK	92	98	96	86	8	102	104
455         443         446         440         429         417         409           466         454         441         429         417         409           466         454         441         506         513         513         518           398         494         432         428         417         409           424         351         352         428         417         424           424         351         352         428         417         424           424         351         352         428         417         424           486         460         461         461         461         461         461           487         484         460         461         461         462         462         462         462         462         462         462         462         462         462         462         462         460         461         460         461         460         461         460         461         460         461         460         461         460         461         460         461         460         461         460         462         462         46	414 416 414 39	414 416 414 399	416 414 399	4 399	6	366	1	402	404	402	394	389	395	391	389	385	ı
466         454         441	52	450 454 449 452	454 449 452	49 452	52	- 4	ισ	451	455	443	446	440	429	417	109	397	380
503         504         514         506         513         518         506           398         400         399         394         386         376         428         4417         424         418           424         437         432         428         417         424         418           424         463         460         461         458         445         446           466         464         463         460         461         458         445           487         484         485         482         484         480         476         470           487         484         485         482         484         480         476         470           487         489         489         481         416         406         385         352           412         409         410         404         408         398         392           418         416         406         385         352         352           418         416         406         386         368         392           418         426         410         404         408         406 <th>484 490 476 481</th> <td>484 490 476 481</td> <th>490 476 481</th> <td>76 481</td> <td>. 6</td> <td>480</td> <td></td> <td>480</td> <td>466</td> <td>454</td> <td>441</td> <td></td> <td>1</td> <td># !</td> <td>1 1</td> <td>t 1</td> <td></td>	484 490 476 481	484 490 476 481	490 476 481	76 481	. 6	480		480	466	454	441		1	# !	1 1	t 1	
398       400       399       394       386       376       358       315         424       437       435       424       417       424       418         424       351       352             466       464       463       460       461       458       452       445         466       464       463       460       461       458       452       445         487       484       480       476       476       476       476       476         487       484       480       476       476       476       476       476         436       424       482       484       480       476       476       476         436       476       476       476       476       476       476       476         412       419       416       406       385       352       352       352         412       429       446       436       436       436       436       436       436       436       436       436       436       436       436       436       436       436       4	526 530 514 514	526 530 514 514	530 514 514	14 514	14	495	_	507	503	504	514	506	513	513	518	506	511
445       437       435       432       428       417       424       418         424       351       352       432       428       417       424       418         466       464       463       460       461       458       452       445         487       484       485       484       480       476       476         487       484       486       484       480       476       470         487       484       486       484       480       476       470         436       429       444       436       434       420       418       405         412       429       444       436       434       420       418       405         412       409       406       406       385       352       352       352         412       409       406       4	404 406 393 396	404 406 393 396	406 393 396	93 396	96	39	7	398	398	400	388	394	386	376	358	315	!
424       351       352          466       464       463       460       461       458       445         466       464       463       460       461       458       445         487       484       485       484       486       476       476       470         487       484       485       482       484       486       476       476       476       470         436       429       449       436       436       436       436       385       352       352         412       409       406       436       436       436       436       436       436       408       398       392         412       409       406       436       4	458 452 448 445	458 452 448 445	452 448 445	48 445	45	43	4	441	445	437	435	432	428	417	424	4 18	404
466.         464         463         460         461         458         452         445           467.         484         485         482         484         480         476         476           487.         485         482         484         486         476         476         470           370         354         352         327         314         321         312         298           436         429         419         416         406         385         352         352           436         429         419         416         406         385         352         352           436         429         444         436         434         420         418         405           412         409         440         406         385         352         352           412         409         405         410         404         408         398         392           412         409         440         406         385         352         352         352           401         409         440         406         352         381         376           401 </td <th>447 448 444 448</th> <td>447 448 444 448</td> <th>448 444 448</th> <td>44 448</td> <td>48</td> <td>4</td> <td>4</td> <td>441</td> <td>424</td> <td>351</td> <td>352</td> <td>!</td> <td>1 1</td> <td>!</td> <td>!</td> <td>!</td> <td>1</td>	447 448 444 448	447 448 444 448	448 444 448	44 448	48	4	4	441	424	351	352	!	1 1	!	!	!	1
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370       354       352       327       314       321       312       298         436       429       449       416       406       385       355       352         436       429       444       436       436       420       405         412       409       405       404       408       398       392         412       409       405       416       406       385       352       352         418       424       436       404       408       398       392         418       424       416       404       408       398       392         418       424       446       352       493       494       496       497       486       493       498         409       489       497       446       352       459       461       451       461       451         409       489       499       499       499       499       499       499       469       469       469       461       461       461       461       461       461       461       461       461       461       461       461       461       4	482 485 484 484	482 485 484 484	485 484 484	84 484	4	48	9	487	487	484	485	482	484	480	476	470	464
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479       478       478       450       413       365       292         479       478       478       450       413       365       292         435       433       427       422       426       420       417         455       462       456       451       432       380           428       421       414       411       411       414       411         476       478       477       446       359           449       442       443       436       428       427       418	t   t   t   t   t   t   t   t   t   t	t   t   t   t   t   t   t   t   t   t	1 1 1 1	1 1 1		ı	:	1 1	1	l 	1	1	1 1	2 1	 	! !	1
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Table VI.2 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF
HEXANYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINF(RDX) IN THE FISCHER RAT
INDIVIDUAL BODY WEIGHTS (G)

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Table VI.2 (continued)

IWFNIY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY DF

HEXALIYDRO 1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL BODY WEIGHTS (G)

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		84	307	320	275	!!!	336	326	301	1 1	)    -	; ;	1	;	282	!!	296	280	302	1 1	281	265	225	304	260	288	296	271	1 1	!	274	259	270		307	1 1	302	312	!!	290	309	290
		82	)	313	280	308	331	322	298	!!!	 	1 1	!		278	1 1	298	281	294		278	263	256	295	265	282	297	275	!!	1 1 1	272	254	279	1 1	29.1	!!	293	309	1 1	294	309	289
		80	293	311	278	305	324	322	300	1 1	1	!!!	i t	1	268	1 1	297	282	296	1	274	258	278	300	259	281	292	566	1 1 f	1 1	566	262	566	1 1	288	1	283	298	1	284	298	279
		78	290	306	277	298	324	310	293	1 1	1 1	269		1 1	263	1 1	289	282	292	1	270	249	283	287	257	278	287	265	1 1	1 1	254	257	1	1	294	1	286	306	t !	281	305	272
		9/	288	298	272	289	321	310	291	1 1	1	268	1 1	1 1	257	1 1	286	282	291	1 1	263	248	284	289	253	275	282	268	1 1	1 1	252	239	254	1	290	1	283	301	1 1	281	298	261
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د ۲	zc	) ·	401	405	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	4 18	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440

Table VI.2 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
HEXAHYDRO-1.3.5-TRINITRO 1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL BODY WEIGHTS (G)

--- = NO AVAILABLE DATA

Table VI.2 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF
HEXAHYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL BODY WEIGHTS (G)

			104		408	1	1	!!!	399	1	368	381	403	455	!	!	1	350	1	} i	!	398	1	1 1	392	242	446	!	1 1	1	1	1	427	419	364	!	1	1	412	1	!	:	!!!
			102		408	1	!	377	416	! !	362	396	420	464	!	!	1 1	4 18	1	!	1 1	4 10	1	!!!	403	349	448	1	1 1	423	ŧ •	1 1	441	423	371	1	1 1	1 1	421	1	!	1	111
			100	1	4 1 4	263	1	376	429	1 1	324	394	431	469	1 1	1	1 1	416	1	1 1	1	427	!	1	402	382	457	!	1	417	1	! !	446	417	396	;	280	1 1	437	1 1	! ;	) )	1,1
			86		417	363	1	380	432	1 1	370	401	435	469	 	 	) ) 	425	1 1	1		434	-	: 1	404	406	459	1	!!!	414	!!!	!!!	441	418	966	354	341	!	440	1 1	!!!	1 1	1 1
			96	;	421	390	!!!	387	437	!	377	399	439	467	1	!!	} } !	4 18	1 1	!	1 1	430	1 1	1 1	413	418	467	! ! !	1 1 1	417		1	438	417	388	387	389	1	446	!	!!!	1 1	1 1 2
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		¥	92	 	423	410	!	386	439	1	389	413	442	470	1 1	} 	326	434	1 1	-	1	442	1 1	1	427	424	469	437	( ; !	414	1 1	1	444	417	412	386	430	!	455	!	336	307	
	1	TEST WEEK	06		422	416	1	381	444	1	388	414	436	464	† !	!	353	442	1 1	; !	1 1	443	; !	1	431	430	477	439	1 !	417	,	; ;	439	428	426	397	443	1	457	1 1	365	353	1 1 1
			88	 	424	420	1	387	443	!!!	393	419	448	476	!	1	370	445	!!!	1 1	1	453	1 1	+	438	433	482	439	1 1	416	!!!!	1 1	450	430	440	396	448	1 1	464	1	374	4 16	1 1
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			84	 	431	417	1 1	384	441	] ;	398	421	450	472	!!!	1 ! !	417	442	1	1 1	1	454	1 1 4	1 1	431	435	482	440	303	4 10	1 1	1 1	446	429	440	395	460	1	476	1 1	374	437	1 1
			82	 	432	417	1 1	380	445	1 1	386	424	450	468	1	545	433	445	1   1	!!!		451	1 1	† !	439	440	491	433	327	402	1 1	!!!	448	427	450	393	45.7	1 1	479	1 1	370	437	
			80		422	413	1	368	446	; ! !	402	420	453	467	1 1 4	541	441	448	1	1 1	1 1	453	•	1 1	433	449	494	439	348	399	:	1 1	452	430	446	394	456	!	474	1 1	365	425	1 1
			78	 	433	419	 	382	457	i i	406	1	455	463	1 1	1 1	444	! !	1	1 1	1	462	1	1 1	438	442	498	444	372	393	1 1	[ ]	451	432	440	391	458	í !	481	1	367	437	1 1
			9/	? ! ! ! ! ! !	433	424	5 1 1	380	452	f I I	397	438	451	470	1 1	484	445	457	1 1	<i>I</i>		467	1 1	1	432	434	192	445	377	409	;	;	453	427	448	401	453	, , ,	482	1	368	432	1 ( )
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نـ		20		481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	508	507	508	509	510	511	512	513	514	515	516	517	518	5 19	520

Table VI.2 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
HEXAHYDRO 1.3.5 IRINITRO 1.3.5 FRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL BODY WEIGHTS (G)

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Z	x 0 :								TEST WEEK	¥						
o ·	э с ш ×	76	78	<b>R</b> O	82	84	86	88	06	92	94	96	86	901	102	104
521	4 X	402	399	394	392	397	387	388	395	395	385	320	} 	1		1 1
522	4 Z	409	410	411	410	402	390	402	396	390	401	388	385	389	385	374
523	2	427	426	436	430	429	435	414	- 7	430	423	425	419	414	401	394
524		452	452	454	452	449	449	457	450	442	434	429	430	425	428	424
525	4 Z	415	411	408	409	404	403	407	401	400	395	394	395	390	394	391
526	4 F	266	273	275	279	281	279	283	282	287	286	293	295	298	294	300
527		1 1	1 1	1 f	1 1	† !	1 1	1 1	1 1	1 1	1	1	] ]	! !	1 1	;
528	4 F	268	272	272	272	272	274	281	278	272	283	282	282	282	278	274
529	4 F	294	288	290	297	297	285	221	196	171	1	1 1		1 1	!!!	1
530	4 F	276	274	280	281	280	287	286	282	292	292	295	294	295	297	299
531	4	270	273	273	27.4	282	280	283	280	281	282	286	289	292	289	288
532	4 F	296	303	307	30.4	309	312	319	325	320	327	333	336	339	342	338
533	4 F	280	287	294	295	289	293	298	301	300	300	316	311	310	314	308
534	4 F	246	251	255	259	266	258	259	260	264	265	268	272	268	264	1
535	4 F	211	210	205	209	506	210	212	219	214	212	215	214	220	219	217
536	<b>4</b>	281	278	284	288	286	280	288	290	297	294	297	296	290	297	282
537	4 F	250	249	258	259	263	263	261	263	268	269	274	272	270	276	277
538	4 F	t i	!	1	1 1	1 1	!	 	1 1	1 1	1 1	!!!	1 1	1	1 1	1
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543	4	1 1	1 1	1	!!!	! ! !	1 1	•	1	1 1	1 1	! !	!	!!	1 1	1
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545	4 F	282	287	288	291	293	292	293	296	300	300	302	290	303	304	304
546	4	266	266	271	269	267	265	222	!!!	1 1	1 1	!!!	!	1 1	!!!	1
547	4 F	267	262	569	274	276	274	277	278	275	272	274	277	277	279	281
548	4 F	240	228	228	220	219	212	210	206	202	196	193	195	191	180	183
549	4 F	276	273	278	281	283	276	278	278	284	279	280	285	287	287	289
550	4 F	599	302	304	307	313	306	313	316	320	318	311	314	303	302	293
551	4 F	263	268	269	274	274	276	277	280	282	280	285	282	287	292	295
552	4	276	284	274	283	278	278	287	285	283	274	261	186	† 	1 1 1	     
553	4 5	324	325	330	335	334	337	340	342	348	346	355	354	364	365	376
554	¥	307	1	310	316	313	315	318	318	322	316	328	325	326	330	311
555	4	308	1 1	303	309	310	307	315	313	309	313	316	321	322	320	317
556	4	339	346	347	352	358	357	356	360	361	355	359	322	362	358	362
557	4 F	1	i i	1 1 1	1	1 1	1 1	1 1	; †	! ! !	1	!!!		1 1 1	1 1 1	!
558	4 F	292	298	302	303	308	310	308	319	318	316	314	322	320	321	319
559	4 F	264	263	260	276	274	275	280	288	290	295	294	300	303	300	302
260	4	1	r t	! !	, 1	1 †	1 1	1	!!!	1 1 1	t !	1 †	!	1 1	] !	i i

Table VI.2 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF
HEXAHYDFO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL BODY WEIGHTS (G)

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	104	1	278	286	184	!	280	1	276	1	-	335	304	1 1 2	281	1	287	1 - 1	!	1 1 1	!	1		253	324	292	329	261	! !	300	289	1	!!!	1	1 1	1	1	285	!	!	i ! ;
	102	!	281	291	226	!!!	278	246	284	1 1	1 1	334	304	1	288	!!!	291	1 1	221	1 1	!!!	1 :		566	322	299	318	262	1	300	291	566	1	1 1	1		111	292	!!!	1   	290
	100	1	273	291	260	1	566	294	276		<u> </u>	336	313		275	314	294	1 1	240	1 1	!!!	1	225	258	326	288	324	261	1	307	287	278	f	1	:	1	f !	285	1	f i	286
	86	1	273	297	275	1 f	283	320	278		1 6	342	316	1 (	284	342	286	1 ( )	246	1 2	1 { 1		227	255	318	287	316	264	1 2 1	308	284	277	1	1 /	1 1	•	1 ,	288	1 1	ł ł	292
	96	1	274	294	289	1	271	330	280	1 1	t 1	331	320		281	343	286	1 1 7	248	t i	1 1 1	1 - 1	242	254	315	583	322	260	1	298	286	277	1 1 1	1	:	1 1	  - 	297		[ ]	291
	94		271	288	297	!!!	282	325	276		!	328	318	1 1	282	347	283	320	250	  - 	1 1 1	! !	268	256	315	280	323	255	1	297	290	279		1 1	!!!	1 1	!	299	1	!	287
v	92	; ; ; ;	271	294	296	1 1	286	326	277	, ,	f 	330	316	1 1	276	351	284	331	251	<i>t</i> 1	f 	*	290	254	307	283	314	255	† 1	297	288	282	164	<i>t</i> ! !	!	!!!	1	302	<i>!</i> ! !	1	278
TEST WEEK	90	;	274	286	299	1 2 1	286	312	270	1 1	1	331	306		280	339	278	320	260	;	1	1 1	283	254	308	280	319	249	1 1	290	278	276	<b>18</b> 5	!	1	 	1 1	285	! !	1	276
	88		272	288	292	•	287	310	270	290	1	333	304	! ! ;	279	339	274	312	258	1 1	1	i t	279	256	308	281	310	247	1 1	294	284	266	210	!	1	!	•	281	1 1	1 1 1	276
	86		272	293	293	†  -  -	278	305	272	287	1 1	331	303	;	276	335	271	313	257	!!!	1 1	1	273	250	302	281	309	246	1	289	279	258	223	1 1	1 1	1 1	!!!	294	246	! !	284
	8.4	1 1 1 2 1 1 1 1	274	279	292	<i>,</i>	280	306	265	287	1	315	297	1 1	277	343	272	312	257	) ! !	]	1	280	252	297	286	293	246	; ;	282	275	263	232	!	1	!	!	288	265	! ! 1	280
	82	i	272	278	291	t I	276	301	266	295	247	319	296	1 1	282	342	271	299	248	; ; !	!	1 1	270	250	300	281	286	241		285	272	265	229	1	!	!!!	!	286	269	i i 1	288
	80	; ; ; ; ; ; ;	274	278	275	l #	276	298	263	293	239	317	292	1 1	270	347	262	293	247	! !	; ! !	1 1	271	251	306	282	282	238	1	282	268	254	232	1 1	1 1	!!!	!!!!	271	272	!	276
	78	 	271	268	277	1	268	!	254	282	245	308	288	1 1	270	336	256	290	250	1 1	1 1	t 1	266	1 1	296	275	275	234	1	276	267	249	224	1 1	!!!	1 1	!!!	275	272	111	279
	16	 	273	268	270	] 	264	299	254	283	252	306	286	1 1	266	333	253	291	243	1 1	1	1 1	260	245	295	277	263	228	1	278	258	243	220		1 1	1 1	1	279	275	1 1	271
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z		561	562	563	564	565	999	267	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	290	591	592	593	594	565	<b>26</b> 2	597	298	599	009

Table VI.2 (continued)

\*\*TWFNTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY DF

\*\*HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL RODY WEIGHTS (G)

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20	. 0 :	S							TEST WEEK	V						
<b>5</b> ·		r x 76	78	80	82	8	98	88	06	92	94	96	86	001	102	104
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602	_	<b>E</b>		1	1 1	1 1	1 1		1	1 1	1	1 1	!!!	!!	!!!	1
603	_	****	1 1		1 1 1	1	1 1	1	1 1	1	1	1	1 1	1 1	1 1 3	!
604	_		1 1	1 1 1	1 1	1 1	1 1	† 1	1 1	!	!	!!!	!	1	! !	! !
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617			1 1	1	1	!!!	1 1	1	!	!!!	!!!	1	!!!	i i	1 1	!
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621			1	;	1		1	1	1 1	1 1	1 1	1 1	1	1	1	;
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630			1 1	1 1	1 1	1	1	; ;	t ; 1	P P		1 1 1		!!!	1	1 1
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633	_	M 290	288	279	224	} !	1 1	1 1	!!	! !	!	!!!	!!!	!	1 1	1 1
634	_		1	375	37.4	382	368	359	370	367	360	364	366	359	369	328
635			i r	1	. 1	1 1	1 1	!!!	1 / 1	1	 	1	1	1 ! !	1 1	1
969			1	1	1	!!!!		1 1		1 1	1	1 1		1 1	1	:
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Table VI.2 (continued)

IMENITY FOUR MONTH CHRONIC TOXICITY/CARCINGGRICITY STUDY OF
HEXAHYDRO-1,3,5 TRINITRO-1,3,5-TRIAZINE(ROX) IN THE FISCHER RAT
INDIVIDUAL BODY WEIGHTS (G)

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Table VI.2 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF
HEXAHYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL BODY WEIGHTS (G)

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- - NO AVAILABLE DATA

Table VI.2 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
HEXALLYDRO 1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAF
INDIVIDUAL BODY WEIGHTS (G)

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- \* NO AVAILABLE DATA

- NO AVAILABLE DATA

Table VI.3

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

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Table VI.3 (continued)

TWENLY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF
HEXAHYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

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Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF

HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

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Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGENICITY STUDY OF
HEXAHYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

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Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINDGENICITY STUDY OF

HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRINZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (9/day)

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	¥		<del>.</del>	9	<b>16</b> .	17	_	•	9	9	16.	17	17.	<b>9</b>	•	•	•	•	•	•	14.0	17.1		•
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--- = NO AVAILABLE DATA

Table VI.3 (continued)

Twenty four month chronic toxicity/carcinogenicity study of hexahydro-1.3.5-trinitro-1.3.5-triazine(RDX) in the fischer rat individual food consumption measurements (g/day)

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TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

(continued)

Table VI.3

-- = ND AVAILABLE DATA

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

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Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGENICITY STUDY OF

HEXAHYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

		20 22 24 26 28	17.6 15.8 16.1 15.0 16.0 15.9 17.0 18.1 16.3 17.0	.9 17.0 18.1 16.3 17.	9 17.0 18.1 16.3 17.	4 15 5 15 8 17 5 15 5 15 5 15 5 15 15 15 15 15 15 15 1	.4 15.5 15.8 17.3 15.	.3 16.7 17.4 15.8 16.	3 16.7 17.4 15.8 16.	6 15.7 17.1 15.1 15.	6 15.7 17.1 15.1 1	.6 15.7 17.1 15.1 15. 6 16 3 16 9 14 7 12	6 16.3 16.9 14.7	.6 16.3 16.9 14.7	.4 15.3 16.2 14.5 16.	4 15.3 16.2 14.5 16.	.4 15.3 16.2 14.5 16.	6 15 9 16 6 15 9 15 9 15 9 15 9 15 9 15	6 15,9 16.6 15,9 15.	.5 15.6 16.2 14.3 14.	.5 15.6 16.2 14.3 14.	5 15.6 16.2 14.3 14.	2 16.6 16.3 16.0 1	.2 16.6 16.5 16.0 16.	.1 16.8 16.0 14.9	.1 16.8 16.0 14.9 13. 4 46 8 46 0 14 9	1 16.9 16.7 16.3 1	.1 16.9 16.7 16.3 1	. 1 16.9 16.7 16.3 1	5 16.0 17.4 15.2 1	5 16.0 17.4 15.2 1	.2 15.6 16.9 15.2 1	2 15.6 16.9 15.2 1	1 2.61 8.91 9.61 2.
		16 18	6.2 16.0 7.1 16.3	9	9 !		0.	.1 6		7 16.	.7 16.	, o	9 45	.9 15	.0	<u>.</u> و ن	.0. 16.	<u>.</u>	9	.4 15.	4 5	4. c	ភ ក	0.	.3 16.	2 c	7	. 1 17.	. 1 17.	5		.5 17.	ri T	_
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		12 13	16.3 15.1	4 17	4.17.	0 1	0 17	1.	 	9 16.	.9 16.	9. C		.0 15.	.7 16.	.7 16.	. 7	- 1	1 17	.2 16.	2 16	2 16.		7 17.	.6 .6	9. 9. 4	5 2	.5 17.	5 17	.7	7 15	6 15.	6 15	. 6
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		6	5 16.0	17.	<u>.</u>	و ف	9	17	3 17.3	9	<u>.</u>	9 4	4	4	9	9 9	9	. 4	9	15.	9	9	. r	<u> 1</u>	9	<u>.</u> 4	2 2	17	17	9	9 16. 1	16.	9 9	9
		7 8	5.1 16.0 1.0 17.4	.0 17.	0.	7 15	7 15	.0 17.	0.0	7 16.	.7 16.	, o	. e.	.9 15.	.9 16.	6. 6.	6. 6.	<u>.</u>	9 9	.4 16.	4 16.	4.	9 4	9.	.3 16.		7	7 18.	.7 18.	9	 6 6	3 16.	.3 16.	. 3
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		5	17.3	•	•	٠	•		•		•	•		•	•	•	•			•		•	•		•	•		•	•		17.0		•	•
		4	2 15.6 4 16.4	<del>1</del> 6.	9 !	<u>v</u> r	Ē.	16.	9 4	7	17.	- <u>r</u>	5	±5.	9	9 9	9 9	G <b>G</b>	<u> </u>	17.	17.	<u>.</u> :	<u>ن</u> آ	T	9	9 4	2	17	17	9	9 4	<u>5</u>	<del>τ</del> .	5
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TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day) (continued) Table VI.3

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Table VI.3 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF

HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT

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Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

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TWENT HEXAHYDS	•	e		5 5	តិ ក	<u>. 1</u>	<u> </u>	<u>t</u> t	5.0	5 4	4 4	€. ¢		<u>6</u> 6	13.	4	44	4	4		<u>.</u>	4 4	14	o c	ກ່ອ	ō ō
포	•	2	7 14.0	<del>+</del> +	4 4	4	4 4	<del>+</del> +	4:	4 4	4 4	4 4	4	<del>ნ</del> ნ	<u> </u>	5 50	13	4	4	4 4	4	4 4	4	<b>Q Q</b>	2 2	==
	•	-	88 3 42 2 5 5	5 5	<u>6</u> 5	<u>.</u>	= =	= 5	₽ ;	5 5	2.5	4.2	4 4	5 5	5.5	2 5	5 5	5 5	5		13	2 2	12	o c	, , ,	
		-	£ 5.5	<u>5</u> 5	4 4	4	<u>က် က</u>	<u>င်</u> င်	<u>د</u>		<u>t</u>	4 5	4 4	<u> </u>	£. €	5 <u>t</u>	<u>6</u> 6	<u>.</u>	13	4 4	4	2 2	2	<u>o</u> (	<u>.</u>	
		-2	13.																							
	v m s	×	EEE	I I	<b>3</b> 3	<b>.</b>	I I	I I	<b>E</b> :	E	II	I	EΞ	I I	¥ 3	EΣ	<b>Z</b> 2	<b>I</b>	<b>X</b> :	ΣĮ	Z :	X X	Σ	LL L		<b>L</b> L
	<b>⊢</b> α ७α०⊃:	- {																								
	AZHEKJ ZO	•	641 642 643	644 645	646	648	649 650	651 652	653	655 655	656	658	099	661 662	663	665	666	668	699	670 671	672	673 674	675	676	678	679 680

- NO AVAILABLE DATA

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF

HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

	26 28	11.0 10.6	9 0	6	2	12.2 to 15	14.	.4 12	<b>4</b> .	<u> </u>	9	=	=	= :	= :			2 2	O C	<u> </u>	60	.7	ا و	<u>0</u> (	<u> </u>	=	Ξ	_	•	12.0	0	12.0 11.7		5 T T T
	24	10.6		11.3	7	11.7	11.6	11.6	•	•		•	•	•	•	٠	•	•	•	•		•	•	•			•	٠	•	0.0	•	•	•	
	22	7.0	20	<u></u>	₽	9 5	စ်	6	<u>ດ</u>	ത് മ	σ	<b>ō</b>	ç	9	₽ 9	9	2 9	2 :	<u> </u>	<u> </u>	20	<u>ō</u>	7	2 9	2	0	9	5.5	2 5	<u>, , , , , , , , , , , , , , , , , , , </u>	7	۲.	= ;	
	20	0.00	<u> </u>	ō	<b>o</b>			တ်	တ်	ത് മ	່ດ	9	o,	<u>က်</u>	0			5	ດ ເ	, <del>c</del>	<u> </u>	ō	<u>o</u>	ġ <b>Ş</b>	<u> </u>	œ	₩.	= :	= :	11.3	=	= :	2 9	<u>.</u>
	18	7 0.0	9	<u>ō</u>	တ်	o o		6	o i	9 5	9	5	<u>.</u>	<u></u>	ຫໍ		o (	9	<b>₽</b>	ه خ	က်တ	<u>o</u>	9.	9 €	<u>.</u>	6	<u>о</u>	9	9	<u> </u>	0	<u></u>	, 0	, 0
	4 16	0.0	4	4	o.	ص و	) <del>4</del>	4	4	<u>ن</u> د	, r?	9	y.	9	m (	m e	ا	<b>20</b>	<b>80</b> 0	ָ פַּ	, 17	Б	<b>-</b>	, i	- 10	Ŋ	ıv.	ığı		_	Ö	0,0		
	13 1	1.2	9 0	6	m.	ن د	20	0	0	m r	. n	7	7.	4	æ (	<b>80</b> , 0	<b>30</b> . •	4.	4.4	•	† <del>4</del>	4	<u>.</u>	ص و	n O	0	o.	o, e	0.0	0.00	80	9.8 11	บ์ ก	י הי
	±2	-	<del></del> .	<del>-</del> .	ص ص	ن ق	, nu	ß	ri.	ن د د	. n	6	ص ص	ص ص	0.0	0 (	0 0	ກ. ເ	ი ი	ס	, 0	ص ق	9	ب ب	0	0	o.	o,	، ب	- ၉၈	o.	ص ·	4.4	4. 4
WEEK	-	6.3	, o	თ ი	13.3	6. c	5.0	7.6	9.7	0 0 1- 1-	. 6	7.6	6.7	7.6	0. (	o (	4.6	0	0 0	2 o	n	6.6	4.0	0 4 4	2 0	9.5	9.5	0.3	2 9	າ <b>ຜ</b>	80.	<b>8</b> 0 (	2 6	2 5
TEST W	9	60.0	, o	<u>о</u>	တ်	ى ق		6	<del>о</del>			<u></u> 6	•	o (	œ (	oo (	æ (	9	<u>.</u>	<u>.</u>	<u> </u>	9.	<u>.</u>	9 €	2 0	5	₽.	တ် (		ກ່ວ	້ ຄ	o (	<b>x</b> c	<b>2</b> 0 0
	6	6		ნ	o.		່ດ	6	တ	ത് മ		6		ன் எ		œi (	œ (	<del>ற்</del> .	<u>ெ</u>		n o	о О	~	۲.	- σ	, (5)	о О	ன் -	o (	2 8 3 5	œ	œ (	•	
	7 8	6	. 4	4	-		- 00	6	æ.	., 9	. 6	0.	0	0.	د د	<b>6</b>	o. •	4. 0	4. 4 0. 0	, c	, , ,	60	9	တ် (၁		9	9.	₽: •	<u>.</u>	<u>-</u> မ	6	6) ( (9) 1	٦ ,	
	9	8.6	90	0	۲.	<b>-</b> -	. ~	7	7	4.	. 4	'n	ຫຼ	ın.	₹.	4	4.	ø	<b>ب</b> ب	י שים	. ru	ທ	Ŋ	9	Ņ C	0	o.	ن م	m, c	າໝຸ	<b>60</b>	<b>80</b> .	0 0	ع د
	ស	0.0	φ.	ဖ	۲.	۲,	- 00	80	œ	o c	, 0	-	· -	_	7	~	7	9	ب ب	، و	9 0	o	4	4	4 -	· <del>-</del>	· -	in I	ı V	u co	80	80	<b>50</b> (	x) a
	4	10.4																												- 0				4
	e i	5	<u> </u>	5	ō	<u> </u>	2 0	6	ō	<u> </u>	2 0	₽.	₽	ō	<u>.</u>	₽:	₽:	=	= :	= \$	2 0	6	ġ.	<u>o</u> :	<u>.</u>	<u></u>	<u>ŏ</u>	0	9	2 0	₽.	ō.	o (	o
	8	4 11 3	=	=	2	2 5	· =	Ξ	Ξ	<u> </u>	9	=	=	=	9	9	2∶	=	= :	= :	==	=	Ξ	= :	= =	=	Ξ	= :	= :	2	9	9	<u>.</u>	<u>.</u>
	_	6	າຕ	n	ស	ល្ម	יון י	ı O	r.	o ເ	n on	<del>-</del> ص	e.	۳ ا	<b>.</b>	. ب	. بو	4	4 .	<b>7</b> . U	n in	ın,	80	<b>∞</b> , ε	<u>ه</u> م	<b>.</b>	<b>œ</b> .	ب ص	e e	ن م ب	4	4 1	٠, ١	- 1
	~	9.5 10	9 0	0	7	۲,	. 0	6	o.	oj c	, 0	0	0	0	0	0	0	?	c, c	· •		_	4	4	4 C	0	0	<b>co</b>	<b>co</b> , c	<b>x</b> 0	9	19	0	٠ د د
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ا2 لـ)	o ·	681	683	684	685	686	688	689	069	691	693	694	695	969	697	698	669	700	701	707	704	705	902	707	807	150	711	712	713	7 15	716	717	7 18	7 - L

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

		_ !	60	80	1	0	0	0	<b>œ</b>	∞	<b>a</b> 0	<b>6</b>	<b>C</b>	ო	<b>0</b>	!	<b>5</b>	4	4	4	0	0	!	!	0	0	6	<b>6</b>	თ	<b>c</b>	<b>&amp;</b>	<b>6</b> 0
		28	13.8															<u>ō</u>														ė.
		26	12.6	12.6	12.6	0.0	0.0	0.0	12.6	12.6	12.6	4.01	10.4	4.01	13.4	13.4	13.4	10.1	<del>1</del> 0	10.1	1.8	1.8	11.8	13.5	13.5	13.5	11.9	<del>-</del> .9	6.	<b>5</b>	4.0	<b>4</b> .
		24		•	•	•		•	•	•	•	•		•	12.8	•		•			•	•	•	•	•	•			•	•	12.9	•
		22	0	o	0	ĸ	ņ	Ŋ	<b>60</b> .	<b>80</b>	<b>80</b>	4	4	4	80	80	∞.	ø						8.0							- -	-
		20	-	-	-	o.	<b>6</b>	6	<del>-</del> .	-	<del>-</del> .	-	-	-	m.	က	<u>س</u>	4	4	4	0	0	0	4	4	₹.	0	o	0	Ŋ	9.2	Ŋ
		18	0	0	0	<u>د</u>	<del>د</del> .	6	7.	۲.	۲.	ın.	ĸ.	R.	-	-	-	-	<del>-</del> .	<del>-</del>	7.	۲.	~	<b>80</b> .	æ	∞.	<del>-</del>	-	-	Ŋ	6	Ņ
		16	ø.	9	φ.	īŪ.	RJ.	IO.	9	9	9	4	4	4	0	0	0	7	7	~	ო.	e.	<b>6</b> .	o.	6	6	<del>-</del> .	<del>-</del> .	-	ın.	5.5	ı.
		44	0	0	0	o,	o.	6	8	8	7	9	9	9	-	-	<del>-</del>	-	-	-	o,	6	0	7	_	7	7	~	7	ស	10.5 1	ស
		13																													8.6	
		12																													7.	
<u> </u>	٤.	- !																													- ·	
T WEEK		10	m	<del>ر</del>	<u>س</u>	0	0	0	۲.	۲.	۲.	7	7	۲.	80	80	<b>œ</b>	7	Ŋ	Ŋ	9	بو	9	۲.	۲.	۲.	<u>د</u>	<u>س</u>	ო.	o.	<u>ه</u>	o.
1641	2	- 6	0	o,	0	4	4	4	ī.	ıs.	ľ.	0	0	0	4	4	4	<b>œ</b> .	<b>60</b> .	80	<b>ω</b> .	∞.	<b>8</b> 0.	o.	<u>ත</u>	<u>.</u>	<del>-</del> .	<del>-</del> .	<del>-</del> .	o.	6	0
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		~ ;	9 4			0	თ	9	0	თ	Ø	9	ç	9	6	0	6	O	6	o	6	<b>o</b>	0	œ	æ	œ	ø	တ	0	6	თ	0
		-		9	9	6	თ	Ø	6	თ	<b>o</b>	9	9	9	9	0	9	O	<b>0</b>	თ	თ	g,	0	<b>o</b>	0	<u>ග</u>	0	6	တ	0	9.6	Ø
		9	10.9	6.0	10.9	9.7	9.7	9.7	10.3	10.3	10.3	11.0	1.0	11.0	40.4	10.4	10.4	9.8	9.8	8	<del>-</del> 0	<u>.</u>	10.1	6.6	6	6.6	9.6	9.6	9.6	10.2	10.2	40.2
		rc.	10.8																					10.2							4.01	10.4
		4	11.2	11.2	11.2	10.8	10.8	10.8	11.3	11.3	11.3	11.2	11.2	11.2		•	•	•	•	•		•		•	•	•				•	10.8	•
		6																													10.5	
		7	11.7	•		6.01			•	•	•	•		•				٠				•			•	•					10.9	
		-	9.6	9.6	9 6	8.7	8.7	8.7	9.4	4.6	4.0	80	8.6	8	•	•		6.01				<b>-</b>	9. +	4.6	9	4	8	8	8.6	9.5	9.2	9.2
		-	10.6																	•												
			6	ق	o.	0	0	0	P.	ص	m m	ī.	j.	ī,	ď	3	~	~	~	~	4	4	4	<del>ا</del>	<b>e</b>	<del>ر</del>	-	-	-	∞.	œ	<b>6</b> 0
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α (	<b>&gt; &gt;</b>	۵	L	ß	Ŋ	R)	ស	ß	5	ល	ស	ស	'n	ın	ស	'n	ស	ស	ľΩ	r.	ស	ស	S	ß	ស	เร	ល	ស	Ŋ	ξ.	5	ហ
2	2 0		721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750

= NO AVAILABLE DATA

- = NO AVAILABLE DATA

Table VI.3 (continued)

Twenty four month chronic Toxicity/Carcinogenicity Stuby of HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

	99	16.9			D 0	2 .	0.0	0 d	0 1	!	<u>م</u>	. K	5.9	15.9	15.9	18.2	18.2	! !	!	20.3	1	<b>∞</b> .	:	!	17.5	17.3 17.3	9 2	17.6	:	17.9	17.9	1	18.7	f 1	18.7	9.6	1	9.9	<u>0</u>
	64	15.1		1 4	9 4 2 5	9 9	ه و ک	n			9	, c	15.3	15.3	15.3	4.0	4.	1	;	19.3		1.6	!		17.6	9.7.	7.61	13.7	1	13.2	13.2	!	19.2	1	19.2	<del>1</del> 8	;	7 E	. t
	62	17.1	l		0 y	0 u	0.5	4	•		47 A	47.4	16.2	16.2	16.2	16.8	16.8	1	!	17.0	;	16.3	!	i 1 1	9.6	9.0	0.0	9.71	;	17.4	17.4	!	6.0	!	6.0	დ დ	; ;	, ,	7.0
	9	16.6	1 1 1		. ų		- (	0 / t	D 1		17 6		9.9	16.6	16.6	16.6	16.6	-	1	18.9	-	17.3	!	!	16.4	4.6	. u	16.5		18.0	18.0	1	18.3	!	18.3	æ.	<u> </u>	, d	
	58	19.6	! !		10.7	, r	9 .	4.7.4	* !		a	. α	16.1	19	16.1	17.1	17.1	1 1 1	!	19.0	!	19.0	1	1 1 1	6.0	9.9	0.0	17.9	1	17.71	17.7	-	17.6	1	17.6	17.7	; ;	- 1	2.0
	56	17.3	:	֓֞֜֜֜֜֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	2.0	) C	٠ : :		- :		4	) e	6.5	15.9	15.9	15.4	15.4	;	1	17.6	;	16.3	!	 	5.8		. <u>.</u>	16.9	1	16.8	16.8	1	18.1	!	- <del>1</del>	0.0	;	5 4	٥. د
	- 1	15.7																																					
	52	14.0	3		5. U	9 0	D (	10.7	. !		1 7	4.7	16.1	16.1	16.1	12.2	12.2	1 1	1	15.0	15.0	15.2		15.2	16.6	9.0	40.0	16.4	1	17.4	17.4	17.4	16.4	:	16.4	16.9	; ;	9.9	4.0
VEEK	50	15.9	1 9	ָ ה ה ה	5. u	D 4	n (	ָם טַ טַ	0 1		46	. u	15.0	15.0	15.0	16.8	16.8	1	15.6	15.6	15.6	16.4	!	16.4	15.6	15.6 6.0	i i	15.5	<u>ਹ</u> ਹ	16.6	16.6	16.6	17.1	!	17.1	15.9	ا ت ق		
TEST WE	i	16.3																																					
F	46	16.0	! (	9.4	9.0	9 .	9.6	2.5	2		9	9 4	16.2	16.2	16.2	9.9	16.6	;	16.8	16.8	16.8	16.4	141	16.4	15.7	15.7	15.4	45.4	15.4	16.1	16.1	16.1	18.6	1 1	18.6	15.8	20.1	ا ت ت	9.6
	44	16.6	1 9	9.9	) (	2 6	20.0	0 4 0 a	0 1		17		17.0	17.0	17.0	16.8	16.8	;	16.8	16.8	16.8	17.2		17.2	15.7	15.7	ה	15.6	15.6	16.0	16.0	16.0	18.3	!	18.3	<u>វ</u> េស ស	ا ت ت		15.2
	42	18.1	1 9	20.5	9 (	16.4	4.6	ب و و و	0		9	0 4	5.6	5.6	15.6	15.7	15.7	!	16.6	16.6	16.6	16.5	1	16.5	17.1	1.	- u	5 6	16.5	17.4	17.4	17.4	20.5	1 1 1	20.5	6.9	9.9	9 i	
	40	10.9	- 6	9. c	9,0	9 9	0.9	9 9			1 1		16.1	19	9	16.9	16.9	1	16.8	16.8	16.8	15.8	t f l	5.8	16.0	0.0	ة 5 د	15.2	15.2	9.91	16.6	9.9	12.4	† !	12.4	ਹ ਹ ਹ	ر ا ا	נינו	
	38	16.4	;	9.6	9 0	9 0	9 9	20.0	7.0				5	5	16.5	15.2	15.2	;	16.6	9.91	16.6	16.4	;	16.4	17.6	9 1	5 .0	16.3	16.3	17.0	17.0	17.0	18.5	!	<del>18</del> .5	0.9	0.9	9 9	9.0
	36	16.0	1 6	9.9	7 to 1	9 9	7.9	9 4	0	1 1	4	. u	9	16.0	16.0	15.	5.	1	17.0	17.0	17.0	16.9	1	16.9	17.3	17.3	. 4	10	16.1	9.91	16.6	9.9	17.9	1	17.9	9	16.0	9 9	٥. و
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	30		1 .							1 1								1				٠		,				9.9		٠				1		•			٠
so m	. × i	1	<b>3</b> :	<b>*</b> :	<b>3</b> :	<b>=</b> :	<b>=</b> :	<b>E</b> 2	E 2	E 2	E 3	E 3	: <b>&gt;</b>	· 3	· <b>•</b>	· •	Ξ	<b>2</b>	¥	Σ	Œ	Σ	¥	<b>3</b>	Σ	<b>T</b> :	E 2	: ≥	Σ	Œ	Σ	Σ	Z	Σ	Œ	<b>T</b> :	<b>T</b> :	Σ:	Σ
σαος	إعر	-				- •								_		_	_	-	_	-	-	-	-	_	_	<b>-</b> ,		-	_	_	-	-	-	-	_	_	_	<b>-</b> .	-
<b>∢ - 2</b> C		-	~ 1	m •	<b>4</b> 1	n c	<b>1</b> 0 (	۰ ۰	0 0	n Ç	2:	- ;	- <del>-</del>	4	<u>.</u>	9	11	18	6	20	21	22	23	24	25	<b>5</b> 6	, K	53	ဗ္ဗ	31	35	33	34	32	36	37	38	<u>.</u>	0

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINDGENICITY STUDY OF
HEXAHYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

	99	1 0 7		0 (	9.	16.1	+ · 9	17.1	17.1	!!!	19.4	!!!	19.4	15.7	15.7	15.7	16.0	16.0	16.0	15.5	15.5	15.5	1	-	}	1	!!!	21.7	!	18.0	18.0	16.2	16.2	16.2	17.1	17.1	17.1	13.5	13.5	:	!
	64			7 !	<u>د</u> ا	15.5	5	<b>8</b> .9	18.9	1	12.3	!	12.3	11.8	# 	<del>-</del> - 8	11.7	11.7	11.7	15.0	15.0	15.0	1	-		1	!	12.4	1	18.0	0.8	16.0	16.0	9.0	16.1	16.1	16.1	10.8	10.8	-	111
	62		9 0	9 (	12.2	12.2	12.2	12.1	17.1	!	16.7	!	16.7	16.5	16.5	16.5	17.3	17.3	17.3	17.8	17.8	17.8	:	!	!	;	:	19.1	!	15.6	15.6	16.7	16.7	16.7	14.5	14.5	14.5	13.2	13.2	!	111
	09			- (		4.9	6.4	15.3	15.3	-	15.6	1	15.6	15.6	15.6	15.6	16.0	16.0	16.0	13.5	13.5	13.5	i i	1	16.7	t (	!	18.0	l 	17.9	17.9	16.6	16.6	9.9	16.6	9.91	16.6	13.4	13.4	1	1
	58				15.7	15.7	15.7	17.5	17.5	:	15.6	1 1	15.6	16.6	16.6	16.6	16.7	16.7	16.7	16.1	16.1	16.1	!!!		18.3	1	!	4.61	!	18.4	18.4	16.6	16.6	16.6	16.7	16.7	16.7	12.4	12.4	!	1
	26			0 .	15.4	15.4	15.4	17.1	17.1	1	16.3	!	16.3	16.6	16.6	16.6	15.6	15.6	15.6	16.1	16.1	16.1	   	1	20.9	!	1	18.4	1	17.6	17.6	16.6	16.6	9.9	15.4	15.4	15.4	12.8	12.8	!	1
	54		9	0 (	5.0	15.9	15.9	9.9	16.6	•	17.4	1	17.4	14.8	4.8	14.8	16.1	16.1	16.1	15.8	15.8	15.8	1	!	19.1	!	!	18.3	1	18.0	9.0	17.1	17.1	17.1	16.4	16.4	16.4	12.6	12.6	‡ ! !	1
	52				15.0	5.0	5.0	6.9	16.9	6.9	17.6	1	17.6	16.0	16.0	16.0	13.0	13.0	13.0	15.7	15.7	15.7	1		17.4	1	:	15.3	1	17.1	17.1	16.4	16.4	16.4	16.6	16.6	16.6	12.6	12.6	1	1
WEEK	50				15.0	15.0	15.0	16.2	16.2	16.2	16.3	1 1	16.3	15.8	15.8	5. 8	14.7	14.7	14.7	15.8	15.8	15.8	1	20.1	20.1	16.2	!	16.2	1 1	18.1	18.1	17.0	17.0	1.0	15.5	15.5	15.5	12.4	12.4	1	40
TEST WE	88		9 9	9	9	<del>-</del> 2	16.1	16.3	16.3	16.3	17.6	 	17.6	16.5	16.5	16.5	16.7	16.7	16.7	15.5	15.5	15.5	t 1	20.8	20.8	9.9	!	16.6	1	18.4	18.4	16.4	16.4	16.4	16.9	16.9	16.9	11.7	11.7	!	11.3
-	46		2 1	0 (	6.9	6.9	6 9	16.5	16.5	16.5	15.8	!!!	15.8	16.0	16.0	16.0	<del>1</del> 5. 1	15.1	15.1	15.8	£.8	15.8	1	20.4	20.4	15.8	!	15.8	1	18.1	<b>18</b>	16.6	16.6	9.9	15.0	15.0	15.0	0.=	11.0	:	11.7
	4			7.0		± 30 80	15.8	16.9	16.9	16.9	15.6	1	15.6	17.2	17.2	17.2	17.0	17.0	17.0	16.0	16.0	16.0	111	19.4	19.4	16.1	!	16.1	1 1 1	18.1	18.1	16.0	16.0	16.0	16.2	16.2	16.2	12.1	12.1	:	11.7
	42		0.0	ה ה	9.6	15.6	15.6	16.8	16.8	16.8	17.6	!!!	17.6	13.5	13.5	13.5	16.6	16.6	16.6	15.9	15.9	15.9	1	18.9	18.9	16.4	!	16.4	1	17.7	17.7	16.0	16.0	16.0	15.4	15.4	15.4	12.1	12.1	1	12.3
	40		0.1	0.0	5.6	5.6	15.6	16.8	16.8	16.8	14.9	111	14.9	16.5	16.5	16.5	16.2	16.2	16.2	15.9	15.9	15.9	1	19.4	19.4	16.5	!	16.5	1	17.5	17.5	16.3	16.3	16.3	15.1	15.1	15.1	<del>1</del> .3	11.3	! ! !	11.3
	38		9 9	و ا و	0.4	4.0	4.0	14.1	14.1		17.1		17.1	17.5	17.5	17.5	16.3	16.3	16.3	15.7	15.7	15.7	1	15.3	15.3	17.8	!	17.8	1	17.71	17.7	16.5	16.5	16.5	15.4	15.4	15.4	11.4	11.4	! ! }	
	36						_																																1.1		
	34																																						8.4		
	32		٠	٠						٠.	16.8	1	Ξ.						•				- 1				1	17.1						٠	•				11.1	1	٠.
	30		•	٠	٠						17.9	- 1											1					٠	- 1	٠.		٠.							11.4	1	-
S	w ×		E:	Ξ	I	I	I	Σ	I	Ξ	Œ	2	¥	I	¥	¥	I	Σ	2	I	2	Œ	I	Σ	3	Σ	Σ	Σ	¥	Œ	Σ	Œ	Σ	Σ	¥	Σ	Œ	<u>.</u>	<u>.</u>	u.	ш
<b>&amp;</b> C :	<b>5</b> 6			-	-	-		-	-	-	-	_	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Z	<b>o</b> .		- (	7	4	4	<b>4</b> 5	46	47	48	49	S	5	52	53	54	52	26	57	58	29	9	61	62	63	64	65	99	67	68	69	70	7.1	72	73	74	75	9/	11	78	19

Table VI.3 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

z	<b>~</b> 0	v									_	TEST WE	VEEK								
o ·	ے د	w ×	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	09	62	64	99
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2 6	- •	Lu		2 9	ק ק	) c		י כ ס	2 0	9 4	o a	0 a	n o	0 a			0 Q	<u> </u>	0 ¢	9 45 n or	
2 4		L LL	5 5	2 0	0 0 1 4	0	. 6	) C	200	9 9	0	9 00	9 6	9 6	1	9.0	6	0.0	6.8	9.0	9
. S	-	. 1	0.0	0	6	9	10.3	10.8	-	1.2	-	11.4	5.	11.4	9.1		12.9	12.9	4.0	12.2	12.8
86	-	u.	0.01	0.0	6.6	9.5	10.3	10.8	1.1	11.2	1.0	11.4		11.4	11.6		12.9	12.9	40.4	12.2	12.8
87	-	u.	10.0	0.0	6 6	9.5	10.3	10.8	<del>-</del>	11.2	1.0	11.4	1.5	1	1		1	!	! !	:	1
88	-	<u></u>	9.7	10.3	10.3	9.7	10.3	9.7	11.2	1.3	11.4	11.4	12.3	12.9	13.9		13.4	12.7	14.9	13.5	14.6
68	-	L.	9.7	10.3	10.3	9.7	10.3	9.7	11.2	<u>=</u> .3	11.4	11.4	12.3	12.9	13.9		13.4	12.7	4.9	13.5	14.6
90	-	u.	9.7	10.3	10.3	9.7	10.3	9.7	11.2	1.3	11.4	11.4	12.3	] ]	:		1	1	i i j	! !	!
91	-	4	10.0	4.0	<b>8</b> 9	0.0	6. 6	<b>9</b> .	0.	10.6	4.01	10.6	1.5	<b>1</b> 0.8	:		:	!	<u> </u>	1	;
92	-	<u>ı</u>	0.01	4.0	<b>8</b> 9.	0 0	6 6	9. 4.	0.	10.6	10.4	10.6	11.5	10.8	0.0		11.6	12.1	12.1	<del>-</del> 0	6. E
93	-	u.	10.0	4.01	<b>8</b> 0	0.01	6. 6	<b>0</b> .	0.	<b>1</b> 0.6	4.01	10.6	1.5	10.8			:	ļ	;	!	;
94	-	ų.	6. 80	9.4	9.7	6. 6	9.7	- 6	10.2	10.2	10.2	4.0	10.3	±.3	1.2		0.	<del>1</del> .9	1.2	11.7	4.=
92	-	L.	6. 8	9.4	9.7	e. 6	9.7	- 6	10.2	10.2	10.2	4.01	10.3	±.3	11.2		0.1	11.9	11.2	11.7	4
96	-	Ŀ	6. 8	9 4	9.7	9.3	9.7	- 6	10.2	10.2	10.2	10.4	10.3	11.3	11.2		11.0	6	11.2	11.7	4
97	-	u.	9.7	<b>6</b>	9.7	9.6	9.6	8.2	10.6	0.1	1.0	6.0	11.3	11.3	13.2		13.4	13.2	12.9	10.7	13.8
98	-	u.	9.7	8	9.7	9.6	9.6	8.2	10.6	<del>-</del> 0.	o. =	10.9	11.3	11.3	13.2		13.4	13.2	12.9	<b>.</b> 0	13.8
66	-	L	7.6	<b>8</b> .	9.7	9.6	9.6	8.5	10.6	<del>-</del> 0	<u>-</u> 0.	6.0	11.3	;	!		;	-	!	1	;
8	-	ı	10.2	10.5	10.5	4.01	11.0	11.2	11.5	1.6	1.5	12.8	12.3	11.8	12.1		12.6	12.7	11.9	12.6	12.7
101	-	u.	10.2	10.5	10.5	4.01	11.0	11.2	11.5	11.6	1.5	12.8	12.3	1.8	12.1		12.6	12.7	<del>1</del> .9	12.6	12.7
102	-	ı.	10.2	10.5	10.5	4.01	11.0	11.2	1.5	1.6	<u>_</u> .5	12.8	12.3	<del>-</del>	12.1		12.6	12.7	6.1	12.6	12.7
103	-	<u></u>	10.3	6 6	4.0	10.7	8 . 7	10.7	11.3	<del>-</del> =	10.5	11.6	11.2	10.7	1.9		<del>1</del> .8	11.4	7.1	o. <del>-</del>	11.2
04	-	ц.	10.3	6	10	10.7	8.7	10.7	11.3	<del>-</del> :=	10.5	1.6	11.2	10.7	11.9		11.8	11.4	7.1	1.0	1.2
105	-	<b>L</b>	10.3	6 6	40.4	10.7	8.7	10.7	1.3	- -	10.5	9.	11.2	10.7	6. =		<del>-</del> - 8	4.	7.1	-	1.2
90	-	Ľ.	10.0	7.6	10.5	50.5	10.7	10 4	9.1	10.7	4.1	11.7	11.4	1.3	0.1		12.4	<del>-</del> .8	9.5	<b>2</b> .8	12.7
107	-	Ľ.	10.0	9.7	10.5	50.5	10.7	4.0	6.1	10.7	4.	11.7	4.	E. =	0 -		12.4	11.8	9.5	æ. =	12.7
80	-	ı	10.0	6	10.5	10.5	10.7	4.0	6. <del>-</del>	10.7	4.4	11.7	4.	E.	o. <del>-</del>		12.4	# # #	o	<b>8</b>	12.7
601	-	u.	10.9	- 0	10.3	10.2	10.7	10.6	1.6	<del>-</del>	10.8 8	10.6	<del>1</del> .6	12.4	12.5		12.1	12.0	4.7	7.0	£2 89
9	-	4	10.9	- 0	<b>10</b> .3	10.2	10.7	<b>1</b> 0.6	9.	- -	10.8 8	9.0	9.	4.2	12.5		12	12.0	12.4	<u>-</u> 0	5. 8.
==	-	ıL	1 1	1	1	1 1	1	1	1 1	1	:	1	:	!	:		!	! !	!	1	;
12	-	Ŀ	10.7	10.6	9.5	8.4	10.9	10.5	<del>-</del> -	10.5	10.3	9.0	11.7	10.6	12.1		12.4	12.2	12.4		12.9
E =	-	í.	10.7	10.6	9.5	8.4	10.9	10.5	<del>-</del>	<b>10.5</b>	10 3	9.0	11.7	9.0	12.1		12.4	12.2	12.4	1.5	12.9
14	-	ı	10.7	10.6	9.5	8.4	10.9	10.5	1.1	10.5	10.3	10.6	11.7	1	!		1	1	1	-	;
15	-	u	11.2	₽.	9	9 .5	69 69	6 6	<del>-</del> .	10.6	0.0	ი ი		10.6	1.5		10.7	6.0	<del>۔</del>	ō. 0.	£.9
911	-	u	1	!	 	!	! !	!	i i !	1	!	:	ŀ	!!	1		-	ŀ	!	; i	1
117	-	ı.	11.2	<b>1</b> 0	9. 6	9 5	8 6.8	6.6	<u>-</u> .	10.6	0.0	6 6	<b>1</b> 0.1	10.6	1.5		10.7	6.01	E. =	0.0	1.9
8 -	-	ı.	10.9	10.7	6 6	10.6	11.4	12.1	12.3	1.3	12.1	<del>1</del> 3.	12.4	13.2	13.1		13.3	13.1	12.9	13.3	13.9
119	-	<b>L</b>	10.9	10.7	ල ල	10.6	11.4	12.1	12.3	11.3	12.1	13.1	12.4	13.2	13.1		13.3	13.1	12.9	13.3	13.9
120	-	Ŀ	!	1	;	1 1	;	-	111	t i	1	;	¦	!	!		!	ŧ	:	1	1

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
HEXAHYDRO-1.3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

	99	13.0	13.0	. 6	13.8	12.9	12.9	5. 5 6. 6	12.8	12.8	11.4	4.1	;	ۍ <del>د</del>	1.3	1	1	:	12.6	1		12.6	12.e	9.6	-	13.9	1 1	18.5	18.2	יי לי ניילי	, ,	20.5	!	20.5
	64	12.1																																
	62	10.1	10.1	12.6	12.6	12.6	12.6	12.6	9.0	10.2	<b>9</b> .	<b>9</b> .	! C	р ч 0 а	9.80	1	!	-	1.0	!	1 1	<b>6</b> 0 (	æ :	4.0	!	4.01	!!!	17.9	6 ·	7 0	1.0	18.9	:	6.8
	09	12.5	12.8		9	13.2	13.2	2.5	2 5	12.3	10.3	10.3	;	:	0.	1	1	;	1.1	!		13.0	0.0	2.2	1	12.2	15.0	5.0	5.0		- C	18.3	! !	18.3
	58	11.7	11.7		6.	13.1	- E	- 0 E :	. E	6.1	12.1	12.1	1	- -	<b>6</b>	1	!	!	12.6	!	1 1	თ ი	ص ص د	12.6	1	12.6	17.2	17.5	17.2	1 0	. 0	17.9	:	17.9
	56	11.6	11.6		12.6	9 9	တ တ က်	9 -	. 5	12.1	10.5	10.5			- -	1	1	•	12.9	!		4.	4 <		! !	11.8	15.0	5.0	- - - -	֡֜֜֝֜֜֜֜֜֝֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֜֜֜֓֓֓֡֓֜֜֜֓֓֡֓֜֜֜֜֓֡֓֜֜֜֜֜֓֡֓֜֜֜֜֜֜	. n	17.4	!	17.4
	54	10	4.0		9	12.4	12.4	4.2		11.3	10.6	10.6			=	-	!	1	11.6	1		12 12 13	12.5	6.0	:	10.9	17.5	17.5	7.5		. a	18.1	1	18.4
	52	11	1.2	-	-	1.9	£ :	5	10.	10.7	10.2	10.2	9.5	9 0	-	1	-	!	10.3	!	1 1	5.5	10 0 0 0	12.0		12.0	17.0	0.1	17.0		4 C	18.2	-	18.2
WEEK	20		11.5		=	11.6	9.	9.		11.0	1.3	± .	 	9 0	9 6	1	1	13.0	10.6	10.6	!!!	6.0	9.0	. <del></del>	;	11.5	16.0	16.0	9 6	9.0	0 4	17.4	1	17.4
TEST	48																																	
	46	10.7																																
	4	4.1.4																																
		11.7																																
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		10.0	5	1 =	Ξ	9	₽ :	₽ \$	2 0	5	Ξ	= :	= :	2 5	2 0	i	İ	12	<b>5</b> 0	œ	ı	0	9 9	2 =	i	Ξ	16	9	9 1	פ נ	9 4	17	i	17
	36																																	
	34	5.0																																
	32	10.5																																
	30	101	10.7	1 0	20	0.0	10.0	0.0	n on	6.6	10.8	6.8	6.0	0.0	0.0	1	1	11.7	10.8	10.8	1 1 1	0.0	0.0	12.5	•	12.5	16.9	16.9	9.5			17.5	1	17.5
s	ш×	! ! ! ! !	. 4	<b>L</b> L L		L.	u.	L .	L 14	. 1	L	L.	ı. ı		. LL		LL.	Ŀ	L.	Ŀ	u.	u.	u		LL.	L.	¥	Œ :	<b>E</b> :	<b>E</b> 3	E 3	EΣ	Œ	<b>Z</b> :
<b>~</b> 0	> ₫				-	-	-			-	-	-		- •	-	-	-	-	-	-	-	<b>-</b>	- •		-	-	7	0	2 0	N (	۷ ر	7 7	7	7
2	<b>o</b> ·	121	123	124	126	127	128	129	5 5	132	133	134	135	136	138	139	140	141	142	143	144	145	146	148	149	150	151	152	153	134	ה ה ה ד	157	158	159

\* NO AVAILABLE DATA

Table VI.3 (continued)

IWFNIY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF

HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

17.		7.7.7 7.7.7 7.7.7 7.7.0 6.0 6.0 6.0	<b>(0</b>	i	1114146666	2     -   - 6 6 6 6 5	1	!	48 17.9 17.9 15.6 15.6 15.6	f 1	}	;	18.0 17.8 17.8 17.8 14.0	588 17.4 17.4 18.6 18.6 18.6	19.0 19.0 17.7 17.7	2.0 2.0 2.7 7.0 7.0 8.7	1 1 2 1 2 2 2 1 4	8 1 1 8 1 8 5 5 5 7 7 7 7 8 1 8 1 8 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1
<u>ឝ ឝ ឝ ឝ ឝ ୮   ឝ ឃុំ ឃុំ ឝ ឝ ឝ</u>	நந்தை தை தூர்   நிற்நிர்					က်ဆေးက်က်ပေါင် ကြေးဆုံးအကြော်							223.3 223.3 18.6 19.6	16.1 17.3 17.3 16.3 16.3	16.13 16.33 19.33 19.33 19.33 16.11 16.13	13.22 13.22 19.32 1.77 1.77	17.8 17.8 17.8 15.6 17.2 17.2	200.55 17.75 17.55 17.55 17.55 17.55 17.55 17.55
**************************************	0.00 0.00	0.0000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	0.00.00.00   80.00.044448   80.00.00.00   80.00.00.00   80.00.00   80.00.00   80.00.00   80.00	6 6 7 7 7 7 7 9 9 9 9 9 9 9 9 9 9 9 9 9		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 8 1 8 8 8 8 8 9 8 9 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7		12777		20.7 20.7 20.7 20.7 20.7 16.0 16.0 17.1 17.1 17.1	8 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	1 1 2 2 2 2 1 2 2 2 2 1 2 2 2 2 3 1 2 3 2 3	6 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	1 1 0 0 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1	0 0 0 0 0   0 0 0 0   0 0 0 0 0 0 0

DATA AVAILABLE 2

1 6 6

6.0 6.0 6.8 8.9 13.9 1446662111177 44---000000044 | 0 3.0 0004 1 6 6 6 6 6 7 7 7 6 6 6 7 7 1 9 16.6 16.6 17.6 17.6 13.4 13.7 F---000 | 88 6444000 4.8 4.8 4.7 5.7 7.3 16.6 6.6 18.3 18.3 22.6 6.22.6 6.22.6 6.22.6 7.9 9.7 12.8 23.8 Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINDGENICITY STUDY OF
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day) 0.16.16.44.44.4 4 4 ¥ TEST 46 <del>1</del>8 0000000000000000 100===0000001== 400000000000----∞ ∞ ក្នុងស្ត្រស្ត្រស្ត្រស្ត្រស្ត្រស្ត្រ ស្ត្រស្ត្ 1000000000000000  $\mathsf{Compart}_{\mathsf{L}} \mathsf{Coop} \mathsf{op} \mathsf{$ 30 100000000000 

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Table VI.3 (continued)

\*\*IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXAHYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

د ۲	<b>5</b>																				
zc	¢ 0 =	νı									-	TEST WEEK	ΕĶ								
	۵.	×	30	32	34	36	∞ ।	40	42	44	46	48	50	52	54	56	58	99	62	64	99
241	7	14.	10.2	ص ص	10.6	9.7	10.8	<b>6</b> 0	T.5	<b>6</b> .0	11.9	<b>6</b>	11.7	11.9	11.9	4.1.4	13.6	5.1	4.0	12.1	13.1
242	η (	<b>.</b> .	10.2	G.	9 0	6		9	5	10.8	5.1			<b>.</b>	D :	4 . 4	9.6	 ני	. i	12.1	- 1 - 1
2443	4 C		10.4	7.6	4.1	10.4		6.	6.4	11.7	12.1			ın	12.1	11.5	12.3	13.4	12.4	13.9	0.41
245	. ~		4.0	9.7	4.	4.01		E .	6.	11.7	12.1			10	12.1	±.5	12.3	13.4	12.4	13.9	14.0
246	7	<b>LL</b>	10.4	9.7	11.4	4.01	•	11.3	11.9	11.7	12.1			10	12.1	11.5	12.3	13.4	12.4	13.9	14.0
247	7	<b>L</b>	10.4	0.0	0.0	<b>0</b>		<b>8</b> 0 (	11.7	10.7	e :			<b>.</b>	9.1	12.3	11.7	12.3	12.4	ດ ເນ	13.4
248	~	<b>L</b> .	4.0	0.0	0.0	0 ( 4 (	•	60 c		10.7	e :					;		1 0	1 5	1 0	1 5
249	7 C		ے فرد	) ε Ο ε	ο <b>α</b>	υ α 4 α		ю <b>с</b>	- C	- <b>6</b>	- 0			n (	9 0	5 	. 5	11.2	1.4.4	0.0	12.4
251	٠ ،	. u.	, w	, n	, <b>6</b> 0	60		, o	0	9.0	9				0.	-		11.2	=	0.1	12.1
252	7	u.	о С	13	80.	80		6 6	10.3	10.6	10.			_	1.0	1.1	11.5	11.2	1.1	11.0	12.1
253	7	L.	10.8	10.3	10.2	7	•	10.8	11.3	1.0	11.3			(0	12.5	11.4	12.0	13.3	6.6	9	13.4
254	7	u.	10.8	10.3	10.2	9.7	•	<b>8</b> .0	11.3	0.1	1.3				12.5	11.4	0.5	<del>1</del> 3.3	න ග	တ တ	4.6
255	~	<b>L</b> I	9.9	10.3	20.5	7.6		9 .	e :	0 ¢	e :			0	12.5	4.4	12.0	13.3	ຫ ຫ	ອ ! ຫ	4.6
256	ο (	<b>JL</b> 10	6. -		12.9	0	٠ ١	13.1	12.7	12.6	7.11				! ! ; ;	1 I	     	: !	: :	1 1	! !
727	ч с	Lu	· 	) ) 	]	1 1	(	1 I	i i	     					     					1 1	;
0 4 0	<b>4</b> C				9	9	1	-			a -			~	44.2	7.5	*	o - <del>-</del> <del>-</del>	14 7	10 4	, r
260	, 0	L 14.		) m	) G	0 0		ο σ. - <del>-</del>	• œ						. 4		40	5	14.7	12.4	15.0
261	0	. 14.		)   	1 1	)   			1		1 t				1	1		!	1	!	!!
262	7	ų.	11.0	10.8	10.6	6.01		11.6	12.1	11.0	12.2			7	12.1	12.0	11.7	13.0	11.0	12.7	14.3
263	7	u.	11.0	10.8	10.6	10.9		11.6	12.1	0.	12.2			7	12.1	12.0	11.7	13.0	0.1	12.7	14 · 3
264	7	u.	11.0	10.8	10.6	10.9	•	11.6	12.1	11.0	12.2			_	12.1	12.0	11.7	13.0	۰ : ۲	12.7	14.3
265	0	LL i	0.1	5.5	<u>-</u> :	10.3	•	6.6	5		e :			ו חו	13.55 13.55	12.6	4.5	4.4	4.6	12.8 8.6	14.4
267	, ,				? C	5 6	2.5	5 C	_ <del>_</del> _	9 C	. <del>.</del>				5 1	0 : 1	4 . 1	* !	† ! !	0 I	†    -  -
268	0	. 14	0	10.6	10.0	10.1		10.7	10.9	10.8	8.01			<b>m</b>	12.0	11.0	11.8	9.4	11.5	11.6	13.4
569	7	L.	11.0	10.6	10.0	10.1		10.7	10.9	10.8	10.8			<b>.</b>	12.0	1.0	11.8	4.	11.5	11.6	13.4
270	7	ı	0.11	10.6	0.0	<del>1</del> 0.		10.7	10.9	10.8	10.8			•	12.0	0.1	11.8	4.	11.5	11.3	15.3
271	7	L.	10.0	11.0		10.1	٠	<del>1</del> 0.	11.2	1.0	11.0			m	12.3	12.0	12.0	12.4	13.1	8 .3	12.6
272	7	ı.	10.0	1.0		<del>-</del> .		<del>1</del> 0.1	11.2	0.1	0.1			<b>~</b>	12.3	12.0	12.0	12.4	13.1	<b>8</b> 0	12.6
273	7	ı	10.0	11.0	11.1	10.		<del>-</del> 0	11.2	11.0	4.0			m	12.3	12.0	12.0	12.4	13.1	න ල	12.6
274	7	u.	9.6	10.1	10.2	9.6		40.4	6.0	11.6	6.0			_	1 1	!	1 1	1	1	1	
275	7	<b>L</b> . (	J   1 L   1   4	1 1	1 1	1 1		1 1	1 (	1 1	;				1	t 1	!	:	-	1	:
276	~ (	<b></b> (	9	0:	20:	9.6		0 9	6 0	9 - 9	6.0 6.0			<u>.</u>			1 0		1	1 0	,
117	,	_ [	4.		ه ر :	9.0		4 4	2.5	4.0				n 16		٠. ي ا	0 1		ى 10.0	ا ا ا	4. 1
270	v c	L U	<del>1</del> 1 . <del>4</del>	- ! - !	D 1	9 1	. 1	4 . 4	B 1	4 . 7	0 i			n ,				1 1			; ;
280	۰,	. և	σ	0	Q.	6		6	¢	0 0	0 0			ıc	11.6	11.8	10.6	12.6	4 7	5	12.1
) } 	ı		) )	! )	,	; ;	•	) )	) -	!							) )				

Table VI.3 (continued)

Twenty four month chronic toxicity/carcinogen/city study of Hexahydro-1,3,5-trinitro-1,3,5-triazine(rdx) in the fischer rat individual food consumption measurements (g/day)

30         32         34         36         36         36         46         46         46         46         50         52         54         56<	0 =	S II									-	TEST WEEK	¥								
9 9 3 9 5 9 0 0 9 7 9 0 10 8 10 2 10 0 10 0 12.3 11.5 11.6 11.8 10.6 12.6 12.4 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11	<b>ب</b> د		30	32		36	38	40	42	44	46	48	20	52	54	56	58	09	62	64	99
8 10.3 10.6 9.0 10.7 10.0 10.8 10.2 10.0 10.0 12.3 11.5 11.6 11.1 11.1 11.1 11.1 11.1 11.1		;			1	1 (	1 1				1 1 1	1 6	1 1 1		-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	İ	1 (			1
8 10 3 10 6 9 0 0 9 7 9 0 0 10 8 10 7 10 9 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4		6	ල ල		0.6	9.7	0.6	8.0	10.2	0.0	0.0	5.3	ر د _ ا				12.6	12.4	c.	12.1
8 10.3 10.6 9.0 10.9 10.2 11.1 10.7 10.9 11.1 11.2 11.6 12.1 11.9 11.6 11.7 11.7 11.7 11.7 11.7 11.7 11.7	u.		ი ი	ტ ტ	٠	0.6	9.7	0.6	<b>4</b> 0.8	10.2	0 0	10.0	12.3	l !		1 1		!	1	1 1	1
8 10 3 10 6 9 0 10 9 10 2 11 1 10 7 10 9 11.1 11.2 11.6 12.1 11.9 11.6 11.7 11.7 11.7 11.7 11.7 11.7 11.7	ı.		8	10.3		0.6	10.9	10.2	+.+	10.7	10.9	 	11.2	9.		9.1		11.7	11.7	11.7	12.2
8 10 3 10 6 8 9 10 10 10 10 10 10 11 11 11 11 11 11 11	L.		8	10.3		0 6	10.9	10.2	11.1	10.7	10.9	11.1	11.2	11.6		11.9		11.7	11.7	11.7	12.2
0 9 7 10 4 9 7 10 0 9 9 10 3 10 8 10 7 10 6 10 8 13 4 11 0 12 6 11 7 11 5 10 3 11 7 11 9 1 1 9 1 9 1 9 1 9 1 9 1 9 1 9	4		8	10.3		0. 6	10.9	10.2	- -	10.7	6.0		11.2	11.6		11.9		11.7	11.7	11.7	12.2
0 9 7 10 4 9 7 10 0 9 9 10 3 10 8 10 7 10 6 10 8 13 4 11 0 12 6 11 7 11 5 10 3 11 7 11 9 1 9 1 1 9 1 1 9 1 9 1 9 1 9 1	ı.		0.6	9.7		7.6	10.0	6.6	10.3	10.8	10.7	9.01	10.8	13.4		12.6		11.5	10.3	11.7	12.9
9.7         10.4         9.7         10.6         9.7         10.6         10.8         10.7         10.6         10.9         10.7         10.6         10.9         11.7         11.5         11.7         11.7         11.7         11.7         11.7         11.7         11.9         11	<u>.</u>		0.6	9.7		9.7	0.01	6.6	10.3	10.8	10.7	10.6	10.8	13.4		12.6		11.5	10.3	11.7	12.9
6.9.8         9.8         9.5         11.1         10.4         11.6         11.2         10.9         11.9	u		6	7.6		7.6	0.01	6	10.3	8 0	10.7	10.6	10.8	13.4		12.6		11.55	10.3	11.7	12.9
6         9.8         9.8         11.1         10.3         9.2         11.1         10.5         11.2         10.9         11.9         11.8         11.2         10.9         11.9         11.9         11.9         11.9         11.9         11.9         11.9         11.9         11.9         11.9         11.9         11.9         11.9         11.9         11.9         11.9         11.9         11.0         10.0<	. 4		-	6		8	-	10.3	6	1 - 1	40.4	9.1	11.2	10.9		1.8		12.3	11.4	10.3	9.1
6         9.8         9.5         10.0         10.5         10.7         10.6         10.7         11.4         10.0         11.4         11.0         10.7         10.6         10.7         11.4         10.0         11.4         11.0         10.7         10.6         10.7         11.4         11.0         10.7         10.6         10.7         11.4         11.0         10.7         10.6         10.7         11.4         11.0         10.7         10.6         10.7         11.4         11.0         10.7         10.6         10.7         11.3         11.3         10.3         11.8         11.5         10.7         10.6         10.7         11.0         10.7         11.0         11.3			=	6		8	<u>-</u>	10.3	6		4.01	9.1	11.2	6.01		± .8		12.3	11.4	10.3	6.1
6         9.8         9.5         10.0         10.5         10.0         9.7         10.5         10.7         10.6         10.7         11.4         10.0         11.4         11.0         10.7         10.6           6         9.8	ш		1		- 1	 		1	-	1	1 1	1	-	-		!		-	;	;	!
6         9.8         9.8         9.5         10.0         10.5         10.7         10.5         10.7         10.6         10.7         11.4         10.0         11.4         11.0         10.7         10.6           6         9.0         9.7         9.6         10.5         10.7         10.6         10.7         11.0         12.0         11.3         11.3         10.3         11.8         11.5           6         9.0         9.7         9.6         10.6         10.7         11.0         12.0         11.3         11.3         10.3         11.8         11.5           10.8         10.9         10.6         10.7         11.0         12.0         11.3         11.3         10.3         11.8         11.5           10.8         10.9         10.6         10.7         11.0         12.0         11.3         11.3         10.3         11.8         11.5           10.0         10.1         11.3         11.4         11.4         11.4         11.8         11.5         11.8         11.5           10.0         11.0         11.0         11.0         12.0         11.1         12.0         11.1         11.0         11.0         11.0	. 14		9	6		6	0.01	10.5	10.0	7.6	5.5	10.7	10.6	10.7		10.0		0.11	10.7	9.0	6.1
6 9.0 9.7 9.6 10.6 10.5 10.0 10.5 10.0 10.6 10.7 10.6 10.7 11.0 12.0 11.3 11.3 10.3 11.8 11.5 10.0 10.8 10.9 10.6 10.9 10.6 10.7 11.0 12.0 11.3 11.3 10.3 11.8 11.5 10.0 10.8 10.9 10.6 10.9 10.6 10.7 11.0 12.0 11.3 11.3 10.3 11.8 11.5 10.0 10.0 10.8 10.9 10.0 11.1 11.3 11.4 11.4 11.4 11.4 11.8 11.8 12.2 11.1 12.3 13.6 12.9 13.9 13.3 13.7 13.7 13.8 15.8 15.8 15.8 15.8 17.4 16.1 16.7 16.3 17.3 17.3 18.0 18.3 16.9 16.8 16.9 16.8 18.0 16.8 18.0 16.7 16.7 16.3 17.3 18.0 18.3 16.9 16.8 16.9 17.3 17.1 16.3 17.1 16.8 16.9 17.3 17.0 16.3 17.2 16.0 17.6 16.4 16.4 16.4 16.8 18.0 16.8 17.8 17.8 17.8 16.9 17.3 17.0 16.3 17.2 16.0 17.6 16.4 16.4 16.4 16.8 18.0 16.8 17.8 17.8 17.8 16.9 17.3 17.0 16.3 17.3 16.0 17.6 16.4 16.4 16.4 16.4 16.8 18.0 16.8 17.8 17.8 16.9 17.8 16.9 16.9 16.9 16.9 16.9 16.9 16.9 16.9			6	00		6	0	10.5	0.0	7	10.5	10.7	10.6	10.7		10.0		0.1	10.7	9.0	6.
6         9.0         9.7         9.6         10.6         11.2         10.9         10.6         10.9         10.6         10.9         10.6         10.7         11.0         12.0         11.3         11.3         11.9         11.8         11.5           6         9.0         9.7         9.6         10.9         10.6         10.9         10.6         10.7         11.0         12.0         11.3         11.3         11.4         11.4         11.4         11.4         11.8         11.2         11.1         12.3         13.6         12.9         13.3         13.7           10.8         10.9         10.0         11.1         11.3         11.4         11.4         11.8         11.2         11.3         13.9         13.9         13.7         13.8         13.7         13.8         13.7         13.8         13.7         13.8         13.7         13.8         13.7         14.8         17.2         17.1         16.8         17.8         17.4         16.8         17.8         17.8         16.9         17.8         16.9         17.9         17.4         16.8         16.9         17.8         17.8         17.8         16.9         17.9         17.8         16.9			9	60	٠.	6	10.0	10.5	0.0	7.6	5.5	10.7	10.6	10.7		0.0		11.0	10.7	10.6	11.9
6         9.0         9.7         9.6         10.6         11.2         10.9         10.6         10.6         10.7         11.0         12.0         11.3         11.3         11.9         11.8         11.5           1         0.9         10.6         10.6         10.7         11.0         12.0         11.3         11.3         11.9         11.5         11.8         11.5         11.5         11.5         11.6         12.0         11.1         11.2         11.0         11.0         12.0         11.1         11.2         11.0         11.0         12.0         11.1         11.2         11.0         11.0         12.0         11.1         11.2         11.0         11.0         12.0         11.1         11.2         11.0         12.0         11.0         12.0         11.0	ı		9.6	0	٠.	9	10.6	11.2	6.0	10.6	6.01	10.6	10.7	11.0		11.3		10.3	11.8	1.5	12.0
6         9.0         9.7         9.6         10.6         11.2         10.6         10.9         10.6         10.7         11.0         12.0         11.3         11.3         11.8         11.8         11.1         12.2         11.1         12.2         11.1         12.2         11.1         12.2         11.1         12.2         11.1         12.2         11.1         12.2         11.1         12.2         11.1         12.2         11.1         12.2         11.1         12.2         11.1         12.2         11.1         12.2         11.1         12.2         11.1         12.2         11.1         12.2         13.9         13.9         13.9         13.3         13.7           1         0.0         10.0         11.1         11.2         11.4         11.8         11.8         12.2         11.1         12.2         13.9         13.9         13.3         13.7           4         17.0         16.1         16.2         16.3         16.3         16.3         17.3         16.9         16.9         17.0         17.0         18.3         16.9         17.0         17.0         17.1         16.0         17.0         17.1         16.1         17.0         17.1	<b>L</b>		9.6	0		9.6	10.6	11.2	10.9	10.6	6.01	10.6	10.7	11.0		11.3		10.3	11.8	1.5	12.0
0         10.9         10.0         11.1         11.3         11.4         11.8         11.2         11.1         12.3         13.6         12.9         13.9         13.3         13	u.		9.6	0.6		9.6	10.6	11.2	6.01	10.6	10.9	9.01	10.7	11.0		1.3		10.3	1.8	<u>.</u> 5	12.0
0         10.8         10.9         10.0         11.1         11.4         11.4         11.8         11	u.		12.0	10.8		0.0		1.3	11.4	11.4	<b>1.8</b>	1.8	12.2	11.1		13.6		13.9	13.3	13.7	-
0         10.8         10.9         10.0         11.1         11.2         11.4         11.8         12.2	L.		1	1	- 1	•	1	1	1	1	1	;	1	1		l l		1	;	1	! !
17.0         16.1         16.5         16.4         16.9         15.8         17.4         16.1         16.7         16.9         16.9         15.8         17.4         16.1         16.7         16.9         15.8         17.4         16.1         16.7         16.9         17.3         17.6         17.9         17.4         16.9         17.7         16.9         17.4         16.0         17.4         16.1         16.9         17.4         16.0         17.4         17.1         16.6         17.4         17.1         16.6         17.4         17.1         16.6         17.4         17.1         16.6         17.4         17.1         16.6         17.4         17.1         16.6         17.4         17.1         16.6         17.4         17.1         16.6         17.4         17.1         16.6         17.4         17.1         16.6         17.4         17.1         16.6         17.4         17.1         16.6         17.4         17.1         16.6         17.4         17.1         16.6         17.4         17.1         16.6         17.4         17.1         16.6         17.2         16.1         16.4         16.8         17.6         17.2         16.1         16.4         16.8 <td< td=""><th>u.</th><td></td><td>12.0</td><td>10.8</td><td>-</td><td>0.0</td><td></td><td>11.3</td><td>11.4</td><td>11.4</td><td>1.8</td><td>11.8</td><td>12.2</td><td>:</td><td></td><td>1</td><td></td><td>:</td><td>1</td><td></td><td>1</td></td<>	u.		12.0	10.8	-	0.0		11.3	11.4	11.4	1.8	11.8	12.2	:		1		:	1		1
4         17.0         16.1         16.5         16.1         15.8         17.4         16.1         16.7         16.3         17.3         18.0         18.3         16.9           4         17.0         16.1         16.5         16.1         15.8         17.4         16.1         16.7         16.9         17.3         17.6         17.9         17.4         16.6         17.4         17.1         16.6         17.4         16.6         17.4         16.6         17.4         17.1         16.6         17.4         17.1         16.6         17.4         17.1         16.6         17.4         17.1         16.6         17.4         16.6         17.4         17.1         16.6         17.4         16.6         17.4         17.1         16.6         17.4         16.6         17.4         17.1         16.6         17.4         17.1         16.6         17.4         17.1         16.6         17.4         17.1         16.6         17.4         17.1         16.6         17.4         17.1         16.6         17.4         17.1         16.6         17.4         17.1         16.6         17.4         17.1         18.1         18.1         18.1         18.1         18.1         18.1 <th>Σ</th> <th></th> <th>! !</th> <th>;</th> <th></th> <th>1</th> <th>   </th> <th></th> <th>!</th> <th>! !</th> <th>1 1 5</th> <th>1</th> <th>!!!</th> <th>1</th> <th></th> <th>!</th> <th></th> <th>1</th> <th>   </th> <th>!</th> <th>l 1</th>	Σ		! !	;		1	 		!	! !	1 1 5	1	!!!	1		!		1	 	!	l 1
4         17.0         16.1         16.5         16.1         15.8         16.7         16.4         15.9         15.8         17.4 <td< th=""><th>¥</th><th></th><th>4.3</th><th>17.0</th><th>16.1</th><th>16.5</th><th>16.1</th><th>15.8</th><th>16.7</th><th>16.4</th><th>15.9</th><th>15.8</th><th>17.4</th><th>16.1</th><th></th><th>16.3</th><th></th><th>18.0</th><th>18.3</th><th>16.9</th><th>18 .9</th></td<>	¥		4.3	17.0	16.1	16.5	16.1	15.8	16.7	16.4	15.9	15.8	17.4	16.1		16.3		18.0	18.3	16.9	18 .9
9         16.8         16.9         17.1         16.3         17.1         16.2         16.4         14.6         17.3         17.6         17.9         17.4         16.6         17.1         16.6           9         16.8         17.3         17.6         17.9         17.4         16.6         17.1         16.6           9         16.9         17.3         16.0         17.6         16.4         16.8         18.0         16.4         16.5         17.6         16.7         17.1         16.6           3         17.0         16.3         17.6         16.4         16.8         18.0         16.4         16.5         17.1         16.1         16.6         17.1         16.3         16.5         17.1         16.3         16.5         17.1         16.9         16.9         16.9         16.9         16.9         16.9         16.9         16.9         16.9         16.9         16.9         16.9         16.9         16.9         16.9         17.0         17.1         16.9         16.9         17.0         17.1         16.9         16.9         17.0         17.1         16.9         16.9         17.0         17.1         16.9         16.9         17.0 <t< th=""><th>Σ</th><th></th><th></th><th>17.0</th><th></th><th>16.5</th><th>16.1</th><th>15.8</th><th>16.7</th><th>16.4</th><th>15.9</th><th>15.8</th><th>17.4</th><th>! ! !</th><th></th><th>1</th><th></th><th>1</th><th>   </th><th>}</th><th>1</th></t<>	Σ			17.0		16.5	16.1	15.8	16.7	16.4	15.9	15.8	17.4	! ! !		1		1	 	}	1
9         16.8         16.9         17.3         17.1         18.2         16.4         14.6         17.3         17.6         17.9         17.4         16.6         17.4         17.1         16.6           3         17.0         16.3         17.6         17.6         17.6         17.6         17.1         16.6           3         17.0         16.3         17.6         17.6         16.4         16.8         18.0         16.4         16.5         17.1         14.3         18.1           3         17.0         16.3         17.6         16.4         16.5         17.6         16.5         17.1         14.3         18.1           3         16.0         17.6         16.4         16.9         17.0         17.6         16.3         16.5         17.1         14.3         18.1           3         16.0         17.2         16.1         16.4         16.7         17.1         15.9         16.8         17.9         17.6         16.8         18.1           3         16.0         17.2         16.1         16.4         16.0         17.1         15.9         16.8         17.9         17.6         16.8         17.1         17.0	Σ			16.8		17.3	17.1	16.3	17.1	18.2	16.4	14.6	17.3	17.6		17.4		17.4	17.1	16.6	18.4
9         16.8         16.9         17.3         17.6         17.9         17.4         16.6         17.4         17.1         16.0           17.0         16.3         17.6         16.4         16.8         17.6         16.5         17.1         14.3         18.1           3         17.0         16.3         17.6         16.4         16.8         18.0         16.5         17.1         14.3         18.1           9         16.0         15.9         16.4         16.4         16.0         17.1         16.3         16.5         17.1         14.3         18.1           9         16.0         15.9         16.4         16.0         17.0         17.1         15.9         16.8         17.9         17.1         14.3         18.1           9         16.0         15.9         16.4         16.0         17.0         17.1         15.9         16.8         17.9         17.6         16.9           9         16.0         15.9         16.4         16.0         17.0         17.1         15.9         16.8         17.9         17.6         16.9         17.0         17.0         17.0         17.0         17.0         17.0         17.0	Σ				1	1 1		1	1	1	1	;	i i	1		1 1		1	;	!	(   
3         17.0         16.3         17.5         17.5         17.5         16.3         16.5         17.1         14.3         18.1           3         17.0         16.3         17.6         17.5         16.4         16.5         17.6         16.3         16.5         17.1         14.3         18.1           3         17.0         16.9         16.4         16.4         16.4         16.4         16.4         16.4         16.5         17.1         14.3         18.1           9         16.0         15.9         16.4         17.0         17.1         15.9         16.8         17.9         17.6         16.9         18.1         18.1           9         16.0         15.9         16.8         17.9         17.6         16.9         18.1	Σ			16.8		17.3	17.1	16.3	17.1	18.2	16.4	14.6	17.3	17.6		17.4		17.4	17.1	16.6	18.4
3         17.0         16.3         17.5         17.1         14.3         18.1           3         17.0         16.3         17.6         16.4         16.8         18.0         16.4         16.5         17.6         16.5         17.1         14.3         18.1           3         17.0         16.9         17.0         17.1         15.9         16.8         17.6         16.5         17.1         14.3         18.1           9         16.0         17.2         16.1         16.4         16.0         17.0         17.1         15.9         16.8         17.9         17.6         16.8         18.3         15.4         16.9           9         16.0         15.9         16.4         16.0         17.0         17.4         20.6         15.5         13.6         17.6         16.9           9         16.0         15.9         16.0         17.0         17.4         20.6         15.5         13.6         17.6         16.1           16.0         15.9         16.0         17.0         17.4         20.6         15.5         13.6         17.6         16.1           16.0         15.9         16.0         17.0         17.4	Σ			1	1	1		1		1	! !	;		1 1		1		1	1	1	1
3         17.0         16.3         17.6         17.1         16.4         16.9         18.0         16.4         16.5         17.1         14.3         18.1           9         16.0         15.9         16.4         16.2         17.0         17.1         15.9         17.6         16.8         18.3         15.4         16.9           9         16.0         15.9         16.4         17.0         17.1         15.9         17.6         16.8         18.3         15.4         16.9           9         16.0         15.9         16.4         17.0         17.1         15.9         17.6         16.8         18.3         15.4         16.9           9         16.0         15.8         15.8         16.4         16.4         17.0         17.0         17.4         20.6         15.5         13.6         17.6         16.1           9         16.0         15.3         16.0         17.0         17.4         20.6         15.5         13.6         17.6         16.1           16.0         15.3         16.1         15.3         16.0         17.0         17.4         20.6         15.5         13.6         17.6         16.1	Σ			17.0		17.5		16.0	17.6	16.4	16.8	18.0	16.4	16.5		16.3		17.1	14.3	<b>-</b> 8	17.3
9 16.0 15.9 16.4 17.2 16.1 16.4 16.4 17.0 17.1 15.9	Σ			17.0		17.6		16.0	17.6	16.4	16.8	18.0	16.4	16.5		16.3		17.1	<b>4</b> .3	<b>8</b> 2	17.3
9 16.0 15.9 16.4 17.2 16.1 16.4 16.4 17.0 17.1 15.9 16.8 17.9 17.6 16.8 18.3 15.4 16.9 16.0 15.9 16.0 15.9 16.4 17.2 16.1 16.4 16.4 17.0 17.1 15.9 16.8 17.9 17.6 16.8 18.3 15.4 16.9 3 16.0 15.8 15.8 16.3 15.7 17.0 16.5 16.1 15.3 16.0 17.0 17.4 20.6 15.5 13.6 17.6 16.1 3 16.0 15.8 15.8 16.3 15.7 17.0 16.5 16.1 15.3 16.0 17.0 17.4 20.6 15.5 13.6 17.6 16.1 15.3 16.0 17.0 17.4 20.6 15.5 13.6 17.6 16.1 15.3 16.0 17.0 17.4 20.6 15.5 13.6 17.6 16.1 15.3 16.0 17.0 17.4 20.6 15.5 13.6 17.6 16.1 15.1 15.4 16.0 16.3 17.4 16.3 16.5 15.3 15.4 17.3 17.8 16.9	Σ			0 91		16.4		16.1	16.4	16.4	17.0	17.1	15.9	! ! !				1	1	1	1
9 16.0 15.9 16.4 17.2 16.1 16.4 16.4 17.0 17.1 15.9 16.8 17.9 17.6 16.8 18.3 15.4 16.9 3 16.0 15.8 15.8 15.8 16.3 15.7 17.0 16.5 16.1 15.3 16.0 17.0 17.4 20.6 15.5 13.6 17.6 16.1 3 16.0 15.0 15.8 15.8 16.3 15.7 17.0 16.5 16.1 15.3 16.0 17.0 17.4 20.6 15.5 13.6 17.6 16.1 3 16.0 15.8 15.8 16.3 15.7 17.0 16.5 16.1 15.3 16.0 17.0 17.4 20.6 15.5 13.6 17.6 16.1 17.1 15.4 16.0 16.3 17.4 16.3 16.5 15.3 15.4 17.3 17.8 16.9 17.0 17.4 20.6 15.5 13.6 17.6 16.1 17.1 15.4 16.0 16.3 17.4 16.3 16.5 15.3 15.4 17.3 17.8 16.9 17.6 17.7 19.7 19.6 19.0 16.3 17.4 16.3 16.5 16.8 16.1 16.0 17.2 16.6 16.6 17.0 19.2 15.9 16.1 11.6 17.5 16.5 16.6 16.6 16.5 16.6 16.6 17.0 19.2 15.9 16.1 11.6 17.5 16.5 16.6 16.5 16.5 16.5 16.8 16.1 16.0 17.2 16.6 16.6 17.0 19.2 15.9 16.1 11.6 17.5	Œ			16.0		16.4		16.1	16.4	16.4	17.0	17.1	15.9	16.8		17.6		18.3	15.4	6.9	8.8
3         16.0         15.8         15.8         16.3         15.7         17.0         16.5         16.1         15.3         16.0         17.0         17.4         20.6         15.5         13.6         17.6         16.1           3         16.0         15.8         15.8         15.7         17.0         16.5         16.0         17.0         17.4         20.6         15.5         13.6         17.6         16.1           3         16.0         15.8         16.3         15.7         17.0         16.5         16.0         17.0         17.4         20.6         15.5         15.5         15.0         16.1           7         15.4         16.0         16.3         16.5         15.3         15.4         17.3         17.8         16.9         16.9         16.9         15.9         16.1         17.0         17.2         17.8         16.9         17.0         17.2         16.6         17.0         17.2         16.9         16.9         17.0         17.2         16.6         17.0         17.2         16.9         16.9         17.0         17.2         16.9         16.6         17.0         17.2         16.6         17.0         17.2         16.9 <t< th=""><th>Σ</th><th></th><th></th><th>16.0</th><th></th><th>16.4</th><th></th><th>16.1</th><th>16.4</th><th>16.4</th><th>17.0</th><th>17.1</th><th>15.9</th><th>16.8</th><th></th><th>17.6</th><th></th><th>18.3</th><th>15.4</th><th>16.9</th><th>8.8</th></t<>	Σ			16.0		16.4		16.1	16.4	16.4	17.0	17.1	15.9	16.8		17.6		18.3	15.4	16.9	8.8
3     16.0     15.8     15.8     16.3     15.7     17.0     16.5     16.0     17.0     17.4     20.6     15.5     13.6     17.6     16.1       3     16.0     15.8     16.3     15.7     17.0     16.5     16.1     15.3     16.0     17.0     17.4     20.6     15.5     15.5     15.2     15.2     15.2     15.5     15.5     15.5     15.5     15.5     15.5     15.5     15.5     15.5     15.5     15.5     15.5     15.5     15.3     15.4     17.3     17.8     16.9     17.7     19.7     19.7     19.7     19.7     19.7     19.7     19.7     19.7     19.7     19.5     16.3     16.3     16.3     16.3     16.1     16.0     17.2     16.6     17.0     19.2     15.9     16.1     11.6     17.5	Σ			16.0		15.8		15.7	17.0	16.5	16.1	15.3	16.0	17.0		20.6		13.6	17.6	16.1	11.8
3     16.0     15.8     15.8     16.3     15.7     17.0     16.5     16.1     15.3     16.0     17.0     17.4     20.6     15.5	Σ			16.0		15.8		15.7	17.0	16.5	16.1	15.3	16.0	17.0		20.6		13.6	17.6	16.1	<del>-</del> 89.
7 15.4 16.0 16.3 17.4 16.3 16.5 15.3 15.4 17.3 17.8 16.9	Σ			16.0		15.8		15.7	17.0	16.5	16.1	15.3	16.0	17.0		20.6		!	!	!	1
7 15,4 16.0 16.3 17.4 16.3 16.5 15.3 15.4 17.3 17.8	Σ			15.4		16.3		16.3	16.5	15.3	15.4	17.3	17.8	16.9		1 1 1			1-1	-	1
7 15,4 16,0 16,3 17,4 16,3 16,5 15,3 15,4 17,3 17,8 16,9 17,6 17,7 19,7 19,6 19,0 16,3 6 16,6 16,6 16,5 16,6 16,4 15,5 16,8 16,1 16,0 17,2 16,6 16,6 17,0 19,2 15,9 16,1 11,6 17,5 16,6 16,6 16,6 16,5 16,6 16,4 15,5 16,8 16,1 16,0 17,2 16,6 16,6 17,0 19,2 15,9 16,1 11,6 17,5	Σ			15,4	-	16.3		16.3	16.5	15.3	15.4	17.3	17.8	1		:		!	1	1	} ! !
6 16.6 16.5 16.6 16.4 15.5 16.8 16.1 16.0 17.2 16.6 16.6 17.0 19.2 15.9 16.1 11.6 17.5 6 16.6 16.5 16.6 16.4 15.5 16.8 16.1 16.0 17.2 16.6 16.6 17.0 19.2 15.9 16.1 11.6 17.5	3			15.4		16.3		16.3	16.5	15.3	15.4	17.3	17.8	16.9		17.7		19.6	19.0	6.3	9.6
6 16 6 16 5 16 6 16 4 15 5 16 8 16 1 16 0 17 2 16 6 16 6 17 0 19 2 15 9 16 1 11 6 17 5	Σ			16.6		16.6		15.5	16.8	16.1	16.0	17.2	16.6	16.6		19.2		16.1	1.6	17.5	16.6
	Σ			16.6		16.6		15.5	16.8	16.1	16.0	17.2	16.6	9.91		19.2		16.1	11.6	17.5	16.6

NO AVAILABLE DATA

				99	9.9	8.3	8.3	4. 8. 4. 4	4.	0.1	       		16.9	! 6	E	;	7.0	0.7	, e , 4		4.0	9.9	16.6 0.61	3.0	9.0	2.7	· 1 · 1	9.1	7.8	14.1	1 +		0.8
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				60	. <del>.</del> 6.	<b>8</b>	18	<del>5</del> 4	16	18	; ;	16	10	5 6	י ר								16.5 7.5 7.5				1	16	9 9	17	- 4	4	4 4
				58	15.9			6.0			! !	15.9	15.9	15.6	20.5	1	16.9	16.9	. 6 . 4		4.6	4 6	5 5 6 8	15.8	15.8			16.9	9.09	17.1			17.0
₽¥				56	19.2	18.6	18.6	17.3	17.3	18.4		20.3	20.3	20.3	9.9	,	16.7	16.7	18.	1	18. ±	15.0	15.9	20.1	20.1	5 5	1	20.3	20.0	17.1	17.1	20.7	20.7
STUDY OF ISCHER RA				54	17.0	19.2	19.2	17.1	17.1	٠.		9 9	16.6	16.6	9 L	1	16.2	16.2	18.4		18.4	16.6	16.6 4	16.4	16.4		- 1	17.2	17.2	17.2	17.2	17.6	17.6 17.6
TT 10				52	16.6	17.9	17.9	6. 8 8. 4	16.8	15.9	: :	8 9	16.8	16.8	9.6	!	16.5	16.5	16.9 16.9	: 1	16.9	15.9 15.9	15.9 7	15.7	15.7	7 00	; ;	17.6	17.6	17.1	17.1	17.5	17.5
_ 21-			¥	50	9.91	4.4	17.4	 9 9	9.4	7.7	7.7	6	9.0	15.9	50 ! 20 !	1	5.8	8 6	9.5 9.7	6.2	2.5	5 7	15.2	7.4	17.4	200	? !	6.1	- <del>-</del> -	6.5	ာ <u>က</u>	6.5	16.5 16.5
continued) /carcinogen ine(RDX) in			ST WEEK	48	77	0 60	7.8	0.6	0.	4.6	4	0	90.	o.	. i	;	ıs.	ıı, ı	r. –	<del>-</del>	- ِ r		15.7	m	ღ.	1 4	)	o c	90	0.0	0 0	<del>-</del>	7.1
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able VI.3 (controlly/controlly/consumption me				4	1.		<del>-</del> .	u c		9	9	00	<b>. 60</b>	œ ·	- - ¦	1	<b>œ</b> .	œ (	<b>0</b>	6	ص <u>۱</u>	. וני	.5 15 15	<u>ر</u>	ю.		• • !	9,0	- <del>-</del>	9	9 9	-	 16
Table CHRONIC IITRO-1.3				2	8 16			., t6			8 17												9. 2. R								7 15		8 46
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<u>.</u> . O				38																			16.2			900	ì						17.0
TWENTY HEXAHYDRO IN				36			•	<u>เ</u> เก		٠	• 1	1		•	٠,	- 1							15.2 8.2		•	000	; ;						16.2 16.2
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			Nπ	ا × ا	<b>I</b> 2	Œ	X	<b>=</b> :	E	<b>X</b>	<b>Z</b> 3	EZ	Ξ.	X :	<b>3</b>	Ξ	Œ	2 :	ΣZ	Σ	<b>E</b> :	Ξ	Σ 3	Ξ	<b>X</b> :	E 3	Ξ	¥:	EZ	<b>X</b> :	£ 3	<b>*</b>	EE
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	<b>∢Z∺</b> \$∢	_	20	) · (	321	322	324	325	327	328	329	33.5	332	333	334	336	337	338	339	341	342	3443	345	347	348	245 D.R.C	351	352	354	355	356	358	359 360

- = NO AVAILABLE DATA

Table VI.3 (continued)

\*\*TABONIC TOXICITY/CARCINGENICITY STUDY OF

HEXAHYDRO-1.3.5-TRINITRO-1,3.5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

		60 62 64 66	11.9 16.4	16.2 11.9 16.4 17.1	18.6 16.4	1	17.6 18.3				17.1 13.8 17	10.6 15.8 13	10.6 15.8 13	10.6 15.8 13	12.4 7.1 12		10.2 12.4 12	10.2 12.4 12	7.3 9.4	7.3 9.4 13	4.0 0.1	11.7 13.7 14		12.3 13.1 13			1 1 7 1 1	15.0 11.6	9.0	9.0 11.2	11.5 9.8	11.15 10.00 10.00	0.0
		56 58	1	15,5 15.1																													
		52 54	.1 16.9	. 1 16.9	.0 18.3	1 1 1	4 4 48 1				1 17.2	.7 17.9	.7 17.9	.7 17.9 6 11.9	.6 11.2		12.5	.5 .5.5	.6 11.7	.6 11.7		.8 11.6	.8 11.6	9.5	-	!!!	0.	6.11 0.	6.0F 6.0F 6.0F	6.04 6.04 6.04	41.6	4 1.6	5
, (B) (1) (1)	¥ EEK	50	14.8	.6 14.8 15 6 14.8 15	6.9	1	<b>a</b>	!!	18.2	1.0	2.0	16.6	9.9	0 0 0 0 0	8.0	<b>10.8</b>	o. c	. <del>.</del>	11.2	7 :	11.2	12.1	<del>1</del> 2.		11.7	!	12.3	12.3		- - - -	0.1	o c	_
	TEST	46 48	14.6 14	14.6 14	17.4 18	1 1 1	17 1 16		17.1 16	16.4 17	16.4 17	17.2 18	17.2 18	17.2 18	10.3	10.3 10		11.1	11.0 11	11.0	11.0.11	12.6 12	12.6 12	50.8 50.8	10.8 12	1 1 1	11,1 11	11.4	0 0	0.0	10 5 10	10.5	
		42 44	.4 15	15.4 15.0	. 6	1		: ' ?	.0 17	9.	9.0	.6 17	.6 17	.6 .5	12.	.2 10	2 <del>.</del>		6 10	6 10	₽ 1	.4 12	4 12	-		1	.4 10	4.	7. O C	7.	£ :	6. 6.	
		38 40	9 14	4.9 14.2	0.	-	A	? !	.4 16	4 16	4.	.8 17	.8 17	8. T	. 6	6 .	2 5	20	2.	2.0	5   1	.6 11	= :	= =	=	1	•. =	= ( 0.	D 0	၈၈	0.	0 0	
		4 36	15.2	0 15.2	17.3	1	1 4 4		1.8	16.1		18.0	18.0	<b>∞</b> 0	, o	6. 6.	0 0	2 0	10.5	10.5	10.5	4.1.	Ξ.	2 2	<u> </u>	:	10.8	£0.8	6. 0 6. 0	. o.	+.60	 o c	
		32 34	9.	14.6 14	9. 47	 	, 4	2	6.	٠,		-	÷ ·	- u	9 9	9	ú.	, 0	7	7	÷ ;	5	e G	ה <del>-</del>	. 6	;	0.	÷ 0,1	ហ្វ	u ru	8	ς, τ	
		30	14	4 4	ξĒ	15.	; <u>û</u>	2 1	16.	<del>1</del> 6.	ō	16.	16.	9 0	<u> </u>	<b>•</b>	ō ç	2 0	0	0.	-	0	<b>5</b>	غ خ	20	•	12.	12	ດ ວ	றை	0	<u>ō</u> <b>9</b>	
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	AZHZAJ Z		361	362	364	365	366	368	369	370	37.5	373	374	375	377	378	379	38.5	382	383	384	386	387	288	390	391	392	393	394	966	397	398	

Table VI.3 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF

HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

	64 66	•																																							25.   6.   7.   7.   7.   7.   7.   7.   7
	62	1																																							1   5   5   5   5   5   5   5   5   5
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	58	!																																							41 1 0 1 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2
	56		12.3	11.6	11.6	7.6	12.7	12.7	-	!	-	?	2 1	? ! !	12.1	12.1	12.1	12.5	12.14 12.15 12.15 12.15 12.15	51121213	2. 1. 2. 2. 2. 1. 2. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	21.22.22.1.1.1.00.1.1.00.1.1.00.1.1.00.1.1.1.1	22. 12. 12. 12. 12. 12. 12. 12. 12. 12.	21 1 21 22 22 1 1 1 1 2 1 2 2 2 2 1 1 1 1 2 2 2 2 2 1 1 1 1 2	21 1 2 1 2 2 2 1 1 1 1 2 2 2 2 1 1 1 1	1	1	1	51   2   2   2   1   1   1   1   1   1	51   21   22   1   1   1   1   1   1   1	1 1 2 1 2 2 2 1 1 1 0 0 0 0 1 1 1 1 1 1	51 1 21 22 21 1 1 1 0 0 0 1 1 1 1 1 1 1 1	51 1 21 22 21 1 1 1 0 0 0 0 1 1 1 1 1 1 1	51   21   22   1   1   1   1   1   1   1	1	1	51   21   22   1   1   0   0   1   1   1   1   1   1	51   2   2   2   1   1   1   1   1   1	21   22   24   1   1   1   1   1   1   1   1   1	1	21   21   22   1   1   1   1   1   1   1
	54	 	12.6	12.0	12.0	12.0	-0	1.0	1	!	13.3		1 1 1	   (	13.0	13.0	13.0	13.0	13.0 13.1 13.1 13.1	13.0	13.1 13.1 13.1 17.2	13.0 13.1 13.1 13.1 14.2	13.0 13.1 13.1 13.1 12.2 12.0	13.0 13.1 13.1 12.0 12.0	13.0 13.1 13.1 12.0 12.0 12.0	11.2.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	11.61 13.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11.01.01.01.01.01.01.01.01.01.01.01.01.0	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	11.01.12.12.12.12.12.12.12.12.12.12.12.12.12	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11.01.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1   6   6   6   6   6   6   6   6   6
	52	11.5	<u>-</u>	11.2	7.5	1.2	1.5	11.5	!	i	<del>-</del> 1.9	-		1	12.7	12.7	12.7	12.7	12.7	12.7	12.77	12.7.7.1.1.88.1.7.1.1.1.1.1.1.1.1.1.1.1.1.	12 11 12 17 17 17 17 17 17 17 17 17 17 17 17 17	21.7.1.1.888.1.1.1.1.1.0.1.0.1.1.0.1.1.0.1.1.0.1.1.0.1.1.0.1.1.0.1.1.0.1.1.0.1.1.0.1.1.0.1.0.1.1.0.1.1.0.1.1.0.1.1.0.1.1.0.1.1.0.1.1.0.1.1.0.1.1.0.1.1.0.1.	121111111111111111111111111111111111111	22 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	217.1888.1-1-000	217.1	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7. 1 2. 1 2. 1 2. 1 2. 1 2. 1 2. 1 2. 1	217.	121 111 1111111111111111111111111111111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	121-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1
WEEK	50	11.2	1.2		1.5	_ .u	12.6	12.6	1	i i i	12.5	12.5		! !	14.1	14.1	14.1	12.2	12.2 12.2 12.2 12.2	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 4 1 2 2 2 2 1 1 1 2 2 2 2 1 1 1 1 1 1	12.22	1 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 4 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 4   000	1 4 1 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 4 200 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 4 000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 4 1 2020   1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 4 1 2000	1 4 200	1 4 200   4 4 4 6 6 6 6	1 4 1 9 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 4 1 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1	1 4 1 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1	1 4 1 222 1	1 4 1 9 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 4 1 9 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 4 1 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1	1 4 1 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1	1 4 1 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1
TEST WE	88	11.3	<b>11</b> .3	12.0	12.0	12.0	11.6	1.6	:	;	12.1	2.1		 	12.3	12.3	12.3	12.3	12.3 12.3 12.3	12.3	12.3	22.33.25.25.25.25.25.25.25.25.25.25.25.25.25.	12.3	22 22 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	6   6   6   6   7   7   7   7   7   7	6   6   6   7   7   7   7   7   7   7	6   6   6   7   1   1   1   1   1   1   1   1   1	6   6   6   6   7   7   7   7   7   7	6   2   2   1   1   1   1   1   1   1   1	6   6   6   7   1   1   1   1   1   1   1   1   1	6   6   6   6   7   7   7   7   7   7	6   6   6   7   1   1   1   1   1   1   1   1   1	6   6   6   6   6   6   6   6   6   6	6   6   6   6   6   6   6   6   6   6	6   6   6   6   6   6   6   6   6   6	6   6   6   6   7   7   7   7   7   7	6   6   6   6   7   7   7   7   7   7	6   6   6   6   6   6   6   6   6   6	6   6   6   6   6   6   6   6   6   6	21 222 1 1111111100000 6 6 11112 6 1 6 6 6 6 1 2 2 1 1 1 1 4 4 4 7 7 7 7 1 1 1 6 6 6 7 7 7 7 6 6 6 7 7 7 7
-	46	11.1		10.2	10.2	10.2	12.0	12.0	;	!	11.4	41.4	1		12.0	12.0	12.0	12.0	11.7	11.7	11.7	11.7	11.7	22. 7.11. 7.11. 7.11. 10.02.	22. 7.11. 7.11. 7.11. 7.10.00. 20.00.	0.21	0.17.7.1	21 111 1100 100 100 100 100 100 100 100	21 111 1100 0 1 1 1 1 1 1 1 1 0 1 0 0 0 0	21 111 110 110 110 110 110 110 110 110 1	21 111 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	9.00.00.00.00.00.00.00.00.00.00.00.00.00	21 111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21 111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21 111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21 111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21 111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21 111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21 111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21 111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21 111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	4	!																																							21 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF
HEXAHYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

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455	4	¥	15.2				•	15.6	15.3	15.8			15.7					16.7	12.0		16.0
456	4	I	15.2				•	15.6	15.3	15.8			15.7					16.7	12.0		16.0
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459	4	I	15.2			•	•	16.3	16.5	15.3			16.0					17.2	8.6		17.8
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464	4	2	16.4	15.8			•	16.3	16.4	15.8			16.4						:		1
465	4	I	16.4	15.8				16.3	16.4	15.8			16.4					19.1	16.9		18.0
466	4	Σ	16.4	16.0			•	16.4	17.6	17.2			16.4					15.9	18.9		20.0
467	4	Σ	16.4	16.0		16.3	٠	16.4	17.6	17.2			16.4					15.9	18.9		20.0
468	4	Σ	16.4	16.0				16.4	17.6	17.2			16.4					!	!		1 1
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471	4	Σ	16.0	15.8				16.0	16.6	15.5			16.4					17.1	17.0		16.1
472	4	Σ	16.9	17.1				15.8	17.3	18.1			17.9					17.4	17.5		19.5
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477	4	Σ						17.5	18 8	16.5			16.1					17.1	14.9		18.1
478	4	Σ		15.5	15.7	16.2	16.2	15.9	16.3	15.6			16.7					17.2	16.8		18.0
479	4	¥						15.9	16.3	15.6			16.7					17.2	16.8		18.0
480	4	Σ						15.9	16.3	15.6			16.7					17.2	16.8		18.0

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17.7 17.7 17.7 16.8 16.8

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENIITY STUDY OF

HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/dby)

17.4 20.1 17.7 17.1 19.1 18.0 20.1 18.7 18.5 19.8 18.7 18.2 19.8 18.7 18.5 19.8 19.8 19.8 19.8 19.8 19.8 19.8 19.8	34 36	34 36	36	i	:	38	;	42	44		TEST WEEK		52	54	56	58	09	62	64	99
4.8         15.7         14.4         15.2         15.9         15.4         15.8         16.7         16.0         15.1         16.1         16.2         12.0         14.8         15.7         14.4         15.2         15.9         15.4         15.8         16.7         16.0         15.1         16.1         16.2         11.0         11.4         11.3         10.7         11.3         11.4         12.5         12.0         13.2         15.2		7.	16.0 16.0	18.4 18.4	16.9 16.9	17.8		20.1	17.7	17.1	19.1 1.0.1	00	20.1	18.7	18.5 18.5 19.5	19.8 19.8	18.7 18.7	18.2 18.2	18.5 18.5	20.8 20.8
10.2 10.5 10.4 11.0 11.4 11.3 10.7 11.3 11.4 12.1 12.5 12.0 13.2 13.1 12.4 13.1 10.2 10.2 10.2 10.4 11.0 11.4 11.3 10.7 11.3 11.4 12.1 12.5 11.5 11.5 11.5 11.5 11.5 11.5	15.2	-	10. 10 10. 10 10. 10 10. 10 10. 10 10. 10 10. 10 10. 10 10. 10 10. 10 10 10 10 10 10 10 10 10 10 10 10 10 1	15.2	0.81	15.6 6.0		15.7	4.4.4	15.2	5.0 6.0	4.4	15.8 8.0	16.7	16.0	13.1	16.1	16.2	0.00	16.4
0.0 10.5 10.4 11.0 11.4 11.3 10.7 11.3 11.4 12.1 12.5 12.0 13.2 13.1 12.4 13.1 10.4 11.0 11.4 11.3 10.7 11.3 11.4 12.1 12.5 12.0 13.2 13.1 12.4 13.1 10.2 10.5 10.5 10.4 11.0 11.4 11.3 10.7 11.3 11.4 12.1 12.5 12.0 13.0 13.2 13.1 12.4 13.1 10.2 10.5 10.5 10.5 10.1 10.2 10.4 10.7 10.8 10.8 11.5 11.5 12.0 12.0 12.0 11.9 10.8 12.0 10.2 10.5 10.5 10.5 10.4 10.7 10.8 10.8 11.5 11.5 12.0 12.0 12.0 11.9 10.8 12.0 12.2 10.2 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5	15.2		າຕ	15.2	15.0	5.6		15.7	4	15.2	15.9 9.2	4	15.8 8.2	16.7	16.0	. <del>.</del> .	16.1	16.2	20.0	4.9
10.4   10.5   10.4   11.0   11.4   11.3   10.7   11.3   11.5   11.5   12.5   12.0   13.2   13.1	10.9	-	0.5	40.4	10.5	4.01		4.	E	10.7	E. :	4.	12.1	12.5	12.0	13.2	13.1	12.4	13.1	13.9
10.2   10.5   10.5   10.5   10.6   10.8   11.3   11.5   11.5   12.0   12.0   12.0   12.0   10.8   10.2   10.5	0 0		0.0	4 4	0.0 0.0	0 0		4.1.4		20.4		4.4	12 1	1.0	10 0	13.0	1 6	4 Ct	1 2	6
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10.2 10.5 10.5 10.5 10.5 10.8 10.8 11.5 11.5 11.5 11.5 12.0 12.3 10.8 10.8 11.5 11.5 11.5 12.0 12.3 10.8 10.8 11.5 10.5 10.5 10.5 10.8 10.8 11.5 11.5 11.5 12.0 12.3 10.0 10.8 11.2 10.2 10.8 11.2 10.2 10.8 11.5 11.5 11.5 12.0 12.3 10.0 12.3 10.0 10.3 10.6 9.9 9.7 11.4 11.8 12.0 11.3 12.7 12.0 12.3 9.0 13 9.5 9.7 10.3 10.1 10.3 10.6 9.9 9.7 11.4 11.8 12.0 11.3 12.7 12.0 12.4 11.7 13 9.5 9.7 10.3 10.1 10.3 10.6 9.9 9.7 11.4 11.8 12.0 11.3 12.7 12.0 12.4 11.7 13 9.5 9.7 10.3 10.1 10.3 10.6 9.9 9.7 11.4 11.8 12.0 11.3 12.7 12.0 12.4 11.7 13 9.5 9.7 10.3 10.1 10.3 10.6 9.9 9.7 11.4 11.8 12.0 11.3 12.7 12.0 12.4 11.7 13 12.7 12.0 12.4 11.7 12.0 12.4 11.7 12.0 12.4 11.7 12.0 12.4 11.7 12.0 12.4 11.7 12.0 12.4 11.7 12.0 12.4 11.7 12.0 12.4 11.7 12.0 12.4 11.7 12.0 12.4 11.7 12.0 12.4 11.7 12.0 12.4 11.7 12.0 12.4 11.7 12.0 12.4 11.7 12.0 12.4 11.7 12.0 12.4 11.7 12.0 12.4 11.7 12.0 12.4 11.7 11.3 10.7 10.7 11.1 11.0 11.7 11.3 11.7 12.0 12.7 12.0 12.9 14.1 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12		-	E (	10.2	10.5	10.5		10.2	10.4	10.7			1.3	21.5	11.5	12.0	12.0	6.11	<b>8</b> .0	42.4
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11.6       10.9       11.8       11.2       11.7       11.9       12.7       12.8       12.7       13.2       12.6       13.2       13.3       10.8       12.2       9.4       13       9.6       11.6       11.7       11.4       11.8       11.2       11.0       11.4       12.3       12.0       12.9       13.0       12.2       9.4       13         9.6       11.6       11.7       11.4       11.8       11.2       11.0       11.4       12.0       12.9       13.0       12.2       9.4       13         9.6       11.6       11.7       11.4       12.0       12.5       13.0       12.2       14.4       13.3       10.8       12.2       14.4       13.3       10.8       12.2       14.4       12.0	10.3		10.4	11.6	10.9	8.1		12.2	11.7	1.3	0.5	6. 6.	12.7		12.8		13.2		13.2	<del>1</del> 3.5
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11.4 11.4 12.1 10.6 10.8 11.9 11.6 11.1 12.0 12.1 13.4 13.5 13.4 14.0 15.1 13.1 14  11.4 11.4 12.1 10.6 10.8 11.9 11.6 11.1 12.0 12.1 13.4 13.5 13.4 14.0 15.1 13.1 14  13.3 9.5 10.3 9.5 9.8 10.4 10.1 9.9 10.0 10.8 11.0 11.7 12.7 13.0 14.1 9.3 14  9.3 9.5 10.3 9.5 9.8 10.4 10.1 9.9 10.0 10.8	11.4		9.11	9.6	<del>-</del>	11.7	4.1	11.8	12.2	1.8	11.4	12.0			12.9		14.5		10.8	12.9
11.4 11.4 12.1 10.6 10.8 11.9 11.6 11.1 12.0 12.1 13.4 13.5 13.4 14.0 15.1 13.1 13.1 13.3 15.5 10.3 9.5 9.8 10.4 10.1 9.9 10.0 10.8 11.0 11.7 12.7 13.0 14.1 9.3 9.3 9.5 10.3 9.5 9.8 10.4 10.1 9.9 10.0 10.8	10.7		10.6	11.4	11.4	12.1	10.6	10.8	6.1	9.1	- : -	12.0			13.5		0.4		- E	14.7
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Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

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564	1 4	<b>. u</b> .	0 0	20	ກ <b>ດ</b> າ	5 5 4 4	<u>.</u>	2.0	<b>6 6</b>	9.0		0.0	1 2			. <b>8</b>	4.	12.6	9. =	. <del>.</del> .	12.7
565	4	Ŀ	1	1	1	1	-	-	1	;		1	: : :			1		( )	1	1	1
999	4	L.	11.1	10.5	10.8	8.3	11.8	10.9	10.6	10.7		11.1	11.8			12.6	12.0	13.6	13.1	1.1	12.9
267	4	u.	<del>-</del>	10.5	10.8	8 .3	11.8	10.9	10.6	10.7		<del>-</del> -	11.8			12.6	12.0	13.6	13.1		12.9
568	4	LL 1	7.0	တ ( က (	9.6	တ ( ရာ (	<b>Q</b>	60	4.0	10.3		4.6	<b>8</b> 9			4.4	0.6	9:1:	4.1.4	0. 2.:	2.5
569	4 4	<b>L</b>	D 0	ຍ (	ю ( 0	ວ ດ ເບັກ	0 0	90	4.0	5 6		4.0				4.4	0.5	9 4	4.	9 0	2 C
0 1	4		. 0	ا د تو	9 6	, <del>+</del>	- <b>4</b>	4.0	• <del>•</del>	5 6		, ic	2 2			12.4	9.6	7.7	3.5	9.00	5.3
572	4	. LL	10.2	10.5	9.0	0.	11.6	10.4	=	10.6		11.5	12.3			12.4	13.9	14.7	13.2	13.8	15.3
573	4	ų	10.2	10.5	10.6	11.0	9.4	40.4	11.1	10.6		11.5	12.3			1 1	1	:	;	:	:
574	4	u.	10.7	10.7	10.6	0.0	11.2	1.0	11.0	11.2		1.0	11.7			12.1	12.0	12.9	12.8	11.1	13.2
575	4	L	10.7	10.7	10.6	0.0	11.2	o. <del>-</del>	1.0	1.2		11.0	11.7			12.1	12.0	12.9	12.8	= -	13.2
576	4	L.	10.7	10.7	10.6	0.0	11.2	1.0	11.0	11.2		0. <del>T</del>	11.7			12.1	12.0	12.9	12.8	- -	13.2
211	4	<b>L</b> .	1.2	10.6	10.6	10.2	4.1	10 8	<u>-</u>	<b>8</b>		11.7	 			12.0	0.2	12.0	12.3	43.4	9.9
578	4	<b>L</b> 1	1.2	9.0	10.6	10.2	11.4	6.8	<del>-</del>	<del>-</del>		11.7	5.5			12.0	12.0	12.0	12.3	13.4	42.9
579	4	<b>L</b>		!	1		1 1	1 1	! ;	1 1						i ! !	1	:	;	6 5	1
580	4	<b>L</b> (	<b>9</b> .0	ණ ග	4.0	<u>-</u>	9.0	<b>9</b> .0	1.2	-10		11.2	11.3			!	1	1	!	!	:
581	4 .	<b>L</b> I	1 (	) ; 	1 1		1 9	1 9	! ;	! :		;	! ;			! !		! :	; ;	! ;	;
582	4 4		9.0	و و د	6. e	- 1	6. ¢	0 0 0 0	7.5	<u>-</u> •		2 4				12.7		Σ.α		- 0	 
200	<b>,</b>		9 u	2 5		, ,	- + - •	n o	•	2 0		9 G							? c		
585	4		9.0	4.0	9.6	. 6	0	, o	4.	5.0		9.0	9.1			1.2	11.6			-	12.3
586	4	u.	6 6	10.0	9.3	10.3	10.6	6 6	10.0	10.5		10.1	9.5			10.4	10.5	4.01	11.7		11.6
287	4	<b>L</b>	6.6	0.0	ი ი	10.3	10.6	၈ ၈	0.0	50.5			9.5			4.0	10.5	4.0	11.7	<del>-</del> :=	9
288	4 .	<b>L</b> I	ი (	0.9	ლ ( თ (	10.3	9.0	ດ ດ :	0.9	10.5		- ·	2.5			  -  -	! !	, ,	;		! ;
583	4 4		2 0	2 9	ი ი	9 0 9 0	ກ ດ ກ ດ	- • • •	9 <b>9</b>	2.5		 - :	٠ :			4.4	12.3	12.5 U. R		- r	
200	4		2 0	- - -	, o	, c	, o	-	. Q	2 0			-			7	12.3	5.5	11.7	. 6	-
592	4	. 11	10.3	10.2		10.4		-	11.2	4.		11.3	11.6			10.9	1.9	12.6	9.6	11.3	12.0
593	4	u.	1 1	, !	1	1	1	1	1	1		!	† !			!	:	;	;	;	1
594	4	L.	10.3	10.2	11.1	4.01	11.1		11.2	4.1		11.3	11.6			!	1	!	1 1	!	i !
595	4	u.	4.0	10.2	6.0	<b>8</b> .0	<b>8</b> .0	11.7	12.0	<del>-</del>		4	 .5			1 1		1	1 1	!	! !
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297	4 .	_ (	9.0	2.6	D :	Ø :	9.0	- :	) i	B) (B)		4.	n (				ۍ د د	- 9	n .	,	- (
598 808	4 -	ı. u	4.01	10.3	11.1	11.4	9 1	10.1	11.7	27.0		0.1	12.6			2. g	9.7	13.4	12.1	†	٠ <del>١</del> ٢
ה ה ה ע	: <	Lu	•	Ç	11.7	11		Ş		5			40.			, t	40.0	4 2 4	12	12.4	14.3
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Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGENICITY STUDY OF
HEXAHYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

	60 62 64 66		10.0	1		0 9	1		-	1 1 1	16.9 12.9	111	1 1	1 1			4.0	2	17.9 15.9	!		13.3 16.4		1	16.6 14.9	1 1 1		13.1 11.9	1 1	0 64 64 0	14.3 16.9		!!!	17.4	1
	56 58	! ! ! ! ! ! ! ! !	19.0	! !		16.4		;	!!!	15.6	17.9	1	!	1	!	1 !	D (	2 1	17.6	!!	1 1 1	20.3	18.4	-	16.3	ļ	1	14.1	! ! ! !	0	20.00	)	1 1	19.6	1 !
	52 54	14 O. 4	17.9	!		8	)	1	!	16.3	15.1	!	! !	25.0	!	1 1	15.0 15.0	25.0	17.9	1	!	۵ ن ن	17.7		17.7	}	1 1	14.7	!   	•	17.2	! ! : ! : !	1	17.9	1 1
TEST WEEK	3 48 50	16.7	17.4	! ! ! !		48.3	)	16.3	1	16.6	16.1		1	15.9	1 '	12.1	14.3	47.	15.4	!	1	12.3	17.1	1	16.1	15.6	1 1	16.9	1 1	7 0 7	. 4	0.4	1	15.0	15.9
	44 46	16.6	18.6	1 5	D	16.6	)	17.9	1	13.9	16.4	;	<b>,</b> 	16.4	17.7	12.1	16.7	 	16.4	1	!	ئ و ن	17.7	15.0	15.9	17.6	1 1	13.4	1 - 9	9 9	17.6	17.0	: I	17.7	15.9
	40 42	<u>'</u>																						4 16.4 17.											
	36 38	i	15.4		6.91	9	)	18.3	1 1	13.4	13.0		1	17.4	17.4	- 13	0.9	1. 4.	15.9	!!	1	15.3	17.1	17.6 16.	17.0	13.8	13.8	13.8		7.0	. 6	12.6	1 1		
	32 34	! 																						19.1 17.1											
10.	30	16.2	16.2		יים מיים מיים	. 61		1 22.6		18.4	17.7	+		15.6	15.6	15.3	9.6	5.4	19.3		19.4	19.4	20.	1 20.7	16.0	15.9	6.51	15.9		0.01	13.5	13.6		1 21.1	17.9
<i>U</i> , I		. 2	<b>æ</b> i			. 2	. 22	. 2	_		2	-	-	2	2	-	<b>2</b> 3	. 3	æ	2	2	<b>.</b> .	2 2	. 2	2	2	<b>æ</b> ;	-2 7	n u	2 3	. 2	. 2	2	2	<b>2</b> }

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Table VI.3 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGENICITY STUDY OF
HEXAHYDRO 1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

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<b>z</b> 0	0 =	S M										TEST WEEK	Ä								
	•	×	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	09	62	64	99
641	ß	<b>1</b>	19.9	18.9	14.9	16.9	17.7			1		1		1	1	1	!		;		
642	п	I	!	1	1	1	1 1	1	;	1	:	;	-		1	1	!	! !	!	!!	1
643	ហ	¥	1	}	1	:		1	-	1 1	1 1	1	1	!	1	;	1	!	!	}	1 1
644	ß	I	17.9	17.3	6	17.0	16.3	16.9	17.6	15.3	<b>4</b> 9	} !	1	!	\$  - 	!	;	1	;	1	-
645	ខ	I	19.7	17.7	4	17.3	8.3	!	1	† !	:	1	!	:	!	;	1	!	!	-	1
646	ស	I	19.6	19.3	4	20.9	20.7	18.3	16.1	- 10 10	14.7	16.6	16.1	18.3	18.9	17.7	19.4	16.3	18.1	12.9	4.9
647	r.	I	14.7	17.0	16.4	15.0	<b>18</b>	17.1	16.4	15.4	17.9	14.9	14.4	16.4	19.6	15.0	15.7	14.7	15.0	16.9	16.9
4	ស	I	18.0	19.6	4	13.6	15.9	17.3	14.7	- 6	1	;	:	! ! !	1 1	;	1 1	1	!	1	1
649	ល	2	19.8	16.4	_	15.9	18.4	20.1	19.7	19.0	16.7	<b>- 8</b>	17.3	19.1	21.1	18.0	18.3	- <b>8</b>	18.7	16.4	0.61
650	ស	¥	17.6	19.3	9	18.6	19.6	18	16.9	15.4	15.0	14.4	16.4	17.0	16.9	17.3	18.6	17.3	16.1	13.6	19.0
651	ស	I	19.8	16.4	-	15.9	18.4	17.3	19.3	18.7	17.0	19.0	18.3	18.9	19.9	20.0	20.3	19.0	17.6	19.7	20.7
652	ស	I	16.7	17.4	0	15.6	18.1	14.7	0	1	!	!	1	1	1	] [	:	!	;	1	!
653	ß	ĭ	17.9	18.9	7	15.9	16.0	15.9	15.3	15.6	14.9	4.3	14.9	15.3	14.9	17.9	17.0	12.6	<del>-</del>	;	ł
654	ß	Ξ	18.0	16.9	က	14.4	14.7	15.6	17.6	14	15.7	17.3	16.9	17.3	18.6	15.9	16.9	15.6	15.1	14.6	16.9
655	ß	¥	17.9	16.9	4	16.3	15.4	16.3	17.6	17.3	16.1	15.9	16.6	17.4	18.3	18.0	18.0	17.1	16.9	13.1	18.4
959	ស	¥	18.3	17.4	თ	15.6	15.6	14.7	15.1	15.9	13.3	14.	14.9	15.4	14.1	12.4	11.7	6. E	15.4	11.6	14.4
657	Ŋ	I		1	1	-	1	1	1	-	!!!	!	!	1	i i	! !	}	!	;	1	1
658	ស	I	17.1	17.9	4	15.0	16.7	14.3	15.1	15.4	14.3	- 0. T	15.9	16.7	10.6	0.9	1	1	;	!	!
629	ហ	I	111	1	ı	!	!	-	-	-	1	1	1	1 1 1	1 1	;	:	1	;	;	!
099	ស	¥	15.0		ო	9.7	14.4	18.9	18.6	15.7	15.0	- <u>5</u>	18.3	18.3	18.0	16.7	16.0	16.1	18.0	15.0	20.3
661	ហ	I	19.1		თ	14.	13.9	19.0	19.1	68.0	18.4	16.6	16.4	1	-	;	-	ŀ	;	!	1
662	ស	I	18.7		თ	15.7	16.0	16.7	18.3	17.3	16.9	13.6	15.9	4.0	13.7	9.7	17.7	17.6	16.7	12.0	15.3
663	ហ	Œ	17.0	16.3	9	13.6	14.3	16.0	5.3	!	) !	1	1	-		1	!	!	-	!	1
664	ស	Σ	1	- 1	ı	1	!		!	1	!	]	1	!	:	1	-	!	-	-	
665	ß	¥	18.1	18.1	_	16.0	17.4	18.4	17.4	.16.6	16.4	15.0	17.6	17.3	18.0	15.9	15.7	<del>1</del> 6.9	15.3	16.9	17.3
999	r,	Σ	!		1	***	1	1	7	!!!	1	1	1	1	1	!	1 1	!	l ! !	1	1
667	ស	Σ	20.1	17.6	15.3	16.4	16.3	17.3	17.4	16.6	14.3	15.0	16.3	17.0	17.0	17.3	15.7	16.3	16.6	14.3	16.6
668	ហ	I	19.4	19.1	9.0	16.3	16.9	18.6	<b>18</b> .0	9.6	17.4	:	!	!	!	;	! !	1	! !		1
699	ស	Σ	20.1	17.6	1 1	1		1	1	-	1	!	l l f	;	:	;	!	1	;	!	 
670	Z,	Œ	18.3	17.6	16.9	14.1	17.0	18.0	14.4	4.0	13.6	4.	14.9	16.4	16.6	15.3	14.3	17.1	15.7	<del>-</del> •	16.6
671	ß	Ξ	19.6	19.4	18	17.7	16.7	15.9	15.4	15.1	16.0	16.7	16.4	:	!	;	:	!	:	1 1	!
672	Ŋ	¥	19.1	18.4	16.3	15.6	15.4	15.0	15.1	17.4	5.0	17.4	16.1	17.9	16.3	20.7	20.7	16.1	17.7	4.8	19.1
613	ហ	Σ	13.4	19.2	17.2	17.9	15.5	18.1	20.0	17.9	16 1	18.3	18.0	17.7	19.3	16.7	19.1	17.4	18.6	0.4	18.6
674	ស	¥	13.4	19.2	17.2	17.9	15.5	17.7	18.6	18.0	16.7	18.7	1 1	1		1	1 1	1	!	1 1	!
675	ស	¥	13.4	19.2	17.2	17.9	15.5	15.9	18.3	15.1	15 3	15.9	17.1	24.0	:	;	1	1	;	1	1
9/9	ស	u.	10.1	11.5	<b>8</b>	9.5	0.6	ტ ტ	10.5	0.0	10.6	0.0	10.3	1.6	10.6	11.4	1.3	12.1	13.2	9.6	12.2
677	D.	ıL	10.	11.5	<b>6</b> .0	6 6	9.0	ත ත	5.5	0.0	10.6	0.0	<b>€</b> .3	9.	9.0	11.4	<b>1</b> .3	12.1	13.2	9.6	12.2
678	ហ	u.	10.1	11.5	<b>8</b> 0	9.5	0.6	6 6	10.5	0.0	<b>1</b> 0.6	0.0	10.3	11.6	10.6	11.4	1.3	12.1	13.2	9.6	12.2
619	Ŋ	u.	1		1	1 1	1		1 - 1	1	1	1	1 1	1	1	;	! !	! { 	1	!!	1
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5         F         13.1         14.1         12.3         11.9         12.4         12.4         11.5         11.9         12.4         12.4         11.5         11.9         12.4         12.4         11.5         11.9         12.4         12.4         11.5         11.9         12.4         12.4         11.5         11.9         12.4         12.4         11.5         11.9         12.4         12.5         12.4         11.5         11.9         12.4         12.5         12.4         11.5         11.9         12.4         12.5         12.4         12.5         12.4         12.5         12.4         12.5         12.4         12.5         12.4         12.5         12.4         12.5         12.4         12.5         12.4         12.5         12.4         12.5         12.4         12.5         12.4         12.5<		<u>۵</u>	ш×	30	32		36	38	40	42			48	50	52		36	80 80	9	62	
5         F         12.3         12.6         12.7         9.9         12.9         12.4         11.5         11.9         12.4         12.5         14.6         13.9         12.4         12.4         11.5         11.9         12.4         12.5         14.6         13.9         12.4         12.5         12.6         12.7         13.9         12.9         12.4         12.4         11.5         11.9         12.4         12.5         12.6         12.7         12.9         12.9         12.4         12.6         12.7         12.9         12.9         12.4         12.5         12.6         11.1         11.9         12.4         12.5         12.6         11.1         11.9         12.4         12.5         12.6         12.7         12.6         12.7         12.6         12.7         12.6         12.7         12.6         12.7         12.6         12.7         12.6         12.7         12.6         12.7         12.6         12.7         12.6         12.7         12.6         12.7         12.6         12.7         12.6         12.7         12.6         12.7         12.6         12.7         12.7         12.7         12.7         12.7         12.7         12.7         12.7         12.7 </th <th>100</th> <th>5</th> <td><u> </u></td> <td></td> <td>14.1</td> <td></td> <td></td> <td></td> <td>, .</td> <td>13.7</td> <td>13.0</td> <td></td> <td>12.3</td> <td></td> <td>13.4</td> <td></td> <td>14.9</td> <td>15.0</td> <td></td> <td>13.9</td> <td></td>	100	5	<u> </u>		14.1				, .	13.7	13.0		12.3		13.4		14.9	15.0		13.9	
5         F         10.1         11.3         10.2         10.3         11.8         11.4         12.0         12.4         12.5         12.4         12.5         12.4         12.5         12.4         12.5         12.4         12.5         12.4         12.5         12.4         12.5         12.4         12.5         12.4         12.5         12.4         12.5         12.4         12.5         12.6         11.1         11.5         12.5         12.4         12.5         12.4         12.5         12.4         12.5         12.4         12.5         12.4         12.5         12.4         12.5         12.4         12.5         12.4         12.5<	682	ហ	L 1		12.6				42.4		_ :	6.5	4.0		44.6	٠,	12.0		16.6	13.7	12
5         F         10.1         11.3         10.2         10.9         11.8         11.4         12.0         12.6         11.1         11.5         12.0         13.1         14.8         11.4         12.0         12.6         11.1         11.5         12.0         13.1         14.8         11.4         12.0         12.6         11.1         11.5         12.0         13.1         14.8         12.0         13.1         14.5         12.0         13.1         14.5         12.0         13.1         14.5         12.0         13.1         14.5         12.0         13.1         14.5         12.0         13.1         14.1         12.4         12.9         12.9         12.0         13.1         14.1         12.4         12.9         12.0         13.1         14.1         12.4         12.0         13.1         14.1         12.4         12.0         13.1         14.1         12.0         13.1         14.1         12.0         13.1         14.1         12.0         13.1         14.1         12.0         13.1         14.1         12.0         13.1         14.1         12.0         13.1         14.1         12.0         13.1         14.1         12.0         13.1         13.1         13.1<	684 684	ព្រ			9.2				12.4			) O.	4.4		. i				1		ı
5         F         10.1         11.3         10.2         10.9         11.8         11.4         12.0         12.6         11.1         11.5         12.0         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.8         14.1         12.4         12.9<	685	ម្រា	<u>ı</u> .		11.3				11.4		12.6	11.1	<u>+</u>			14.5	•			11.7	=
55 F 10.2 12.2 13.1 14.5 12.0 13.1 13.8 14.1 12.4 12.9 12.5 14.4 14.5 12.0 13.1 13.8 14.1 12.4 12.9 12.5 14.4 14.5 12.0 13.1 13.8 14.1 12.4 12.9 12.5 14.4 14.5 10.8 11.4 10.8 11.1 11.6 12.9 13.3 13.4 11.0 11.4 13.6 12.9 12.5 14.4 14.5 12.0 12.4 10.8 11.4 10.8 11.1 11.6 12.9 13.3 13.4 11.0 11.4 13.6 12.9 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5	686	ហេស	IL 11		= = e =	•		<u> </u>	4.4		2. c 6. c		 E _ E			14.5	2.0		 	11.7	E E
55 F 10.3 1.2 13.1 14.5 12.0 13.1 13.8 14.1 12.4 12.9 12.5 14.4 14.5 12.0 13.1 13.8 14.1 12.4 12.9 12.5 14.4 14.5 12.0 13.1 13.8 14.1 12.4 12.9 12.5 14.4 14.5 12.0 13.1 13.8 14.1 12.4 12.9 12.5 14.4 14.5 12.0 13.1 13.8 14.1 12.4 12.9 12.5 14.4 14.5 12.0 12.2 13.1 13.8 14.1 12.4 12.9 12.5 14.4 14.5 12.0 13.1 13.8 14.1 12.4 12.9 12.5 14.4 14.5 12.0 12.9 13.3 13.4 11.0 11.4 13.6 10.1 11.4 13.6 10.1 11.4 13.6 10.1 11.4 13.6 10.1 11.4 13.6 10.1 12.4 10.8 10.0 10.0 10.7 10.6 13.5 12.7 11.0 12.2 12.5 13.9 12.5 13.9 12.5 12.5 12.5 13.9 12.5 12.5 12.5 13.9 12.5 12.5 13.9 12.5 12.5 12.5 13.9 12.5 12.5 12.5 13.9 12.5 12.5 12.5 13.9 12.5 12.5 12.5 13.9 12.5 12.5 12.5 13.9 12.5 12.5 12.5 13.9 12.5 12.5 12.5 12.5 13.9 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5	688	, ru	. 14			. 1					)   	: ;				1	٠ ١	)			. 1
5         F         10.2         12.2         13.1         14.5         12.0         13.1         13.8         14.1         12.4         12.9         12.5         14.4<	689	ស្រ	<b>L</b>		f † 		-	1			1	1	1	1	1		1		Ė	1	1
55 F 10.2 12.2 13.1 14.5 12.0 13.1 13.8 14.1 12.4 12.9 12.5 14.4 14.5 12.0 13.1 13.8 14.1 12.4 12.9 12.5 14.4 14.5 12.0 13.1 13.8 14.1 12.4 12.9 12.5 14.4 14.5 15.8 14.1 12.4 12.9 12.5 14.4 14.5 15.8 14.1 11.6 12.9 13.3 13.4 11.0 11.4 13.6 10.7 13.6 13.5 12.7 11.0 12.2 12.5 13.9 12.5 14.4 14.0 10.8 10.0 10.0 10.7 10.6 13.5 12.7 11.0 12.2 12.5 13.9 12.5 13.9 12.5 12.4 10.8 10.0 10.0 10.7 10.6 13.5 12.7 11.0 12.2 12.5 13.9 12.5 13.9 12.5 12.5 13.9 12.5 12.5 13.9 12.5 12.5 13.9 12.5 12.5 13.9 12.5 12.5 13.9 12.5 12.5 13.9 12.5 12.5 13.9 12.5 12.5 13.9 12.5 12.5 13.9 12.5 12.5 13.9 12.7 12.7 13.3 11.4 11.7 12.9 13.3 13.9 12.7 12.7 13.3 11.4 11.7 12.9 13.3 13.9 12.7 12.7 12.9 13.3 13.9 12.7 12.7 12.9 13.3 13.9 12.7 12.7 12.9 13.3 13.9 12.7 12.7 12.9 13.3 13.9 12.7 12.7 12.9 13.3 13.9 12.7 12.7 12.9 13.3 13.9 12.7 12.7 12.9 13.3 13.9 12.7 12.7 12.9 13.3 13.9 12.7 12.7 12.9 13.3 13.9 12.7 12.7 12.9 13.3 13.9 12.7 12.9 13.0 14.5 1	069	ស រ	<b>L</b> I	1	1 6			0	;				1		1					(	1 5
5         F         10.2         12.2         13.1         14.8         14.1         12.4         12.9         13.3         13.4         11.0         11.4         10.8         11.1         11.6         12.9         13.3         13.4         11.0         11.4         13.6         12.9         13.3         13.4         11.0         11.4         13.6         12.9         13.3         13.4         11.0         11.4         13.6         12.9         13.3         13.4         11.0         11.4         13.6         12.9         13.3         13.4         11.0         11.4         13.6         12.2         12.2         13.9         13.9         13.6         12.9         13.3         13.4         11.0         11.4         13.6         12.7         13.9         13.9         12.7         13.9         13.9         12.2         13.9<	697	u r	. u		2.5		4 4 U. R	2 5	7 6		4 4		2 6			4 4	າ ຕ ຕ	2 <u>6</u>	7 2	2.0	- ::
5         F         10.8         11.4         10.8         11.1         11.6         12.9         13.3         13.4         11.0         11.4         13.6            15.8         11.4         10.8         11.1         11.6         12.9         13.3         13.4         11.0         11.4         13.6         10.7         10.6         13.5         12.7         11.0         11.4         13.6         10.7         10.6         13.5         12.7         11.0         11.4         13.6         13.9         12.8         13.9         12.8         13.9         12.8         13.9         12.8         13.9         12.8         13.9         12.8         13.9         12.8         13.9         12.8         13.9 <th>693</th> <th>າພາ</th> <th>. L</th> <th></th> <th>12.2</th> <th></th> <th>4</th> <th>2.0</th> <th>13.1</th> <th></th> <th>4</th> <th>12.4</th> <th>12.9</th> <th></th> <th></th> <th>14.5</th> <th>13.3</th> <th></th> <th>13.7</th> <th>12.0</th> <th>5</th>	693	າພາ	. L		12.2		4	2.0	13.1		4	12.4	12.9			14.5	13.3		13.7	12.0	5
5         F         10.8         11.4         10.8         11.1         11.6         12.9         13.3         13.4         11.0         11.4         13.6         10.7         10.6         13.3         13.4         11.0         11.4         13.6         10.7         10.6         13.3         13.4         11.0         12.2         12.5         13.9         12.7         11.0         12.2         12.5         13.9         12.7         11.0         12.2         12.5         13.9         12.5         13.9         12.5         13.9         12.5         13.9         12.5         13.9         12.5         13.9         12.5         13.9         12.5         13.9         12.5         13.9<	694	ស្រា	<b>L</b> .		11.4		1.1	11.6	12.9		13.4	0.1	4.1.4			! 9	!;	! ;		! ;	٠,
5         F         12.4         10.8         10.0<	695	י מ	<b>L</b> U		4 4			9 4	5 5		6. C	0 0	4 4		10.7	13.0	4.1	. 4. E . 1	12.7	0.41	= '
5         F         12.4         10.8         10.0         10.0         10.7         10.6         13.5         12.7         11.0         12.5         12.5         13.9         12.5         13.9         12.5         13.9         12.5         13.9         12.5         13.9         12.5         13.9         12.5         13.9         12.5         13.9         13.9         12.5         13.9         14.5         13.9         14.5         13.9         14.5         13.9         14.5         13.9         14.5         13.9         14.5         13.9         14.5         13.9         14.5         13.9         14.5         13.9         14.5         13.9         14.5         13.9         14.5         13.9         14.5         13.9         14.5         13.9         14.5         13.9         14.5         13.9         14.5         14.5         14.5         14.5         14.5         14.5         14.5         14.5<	697 697	ດພາ	L IL		60		10.0	10.7	10.6		12.7	20	12.2		13.9		14.2		12.9		0)
5         F         12.4         10.8         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         11.3         12.7         12.7         11.0         12.2         13.0         12.0         11.3         12.7         12.7         13.3         11.4         11.7         12.9         13.3<	698	N.	Ľ		10.8		0.0	10.7	10.6		12.7	<del>-</del> 0.	12.2		13.9	12.9	14.2	11.2	12.9	11.3	0
5         F         12.1         13.4         14.0         12.0         11.3         12.7         13.3         11.4         11.7         12.9         13.3         13.3         11.4         11.7         12.9         13.3<	669	ស	<b>LL</b> 1	12.4	9.8		0.0	10.7	10.6		12.7	0.	12.2		13.9	12.9	14.2		12.9		0
5 F 11.0 12.8 13.0 12.0 11.3 12.7 12.7 13.3 11.4 11.7 12.9 13.3 13.5 14.5 13.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15	85	ກທ	L L	12.1	4.6		2 2					4.1.4						. 6	14.5	10 7	. 5
5         F         11.0         12.8         13.0         12.2         13.0         14.0         11.7         12.3         13.6         13.0         14.5         13           5         F         11.0         12.8         13.0         12.2         13.0         14.0         11.7         12.3         13.6         13.0         14.5         13           5         F         11.2         11.6         12.2         13.1         12.7         14.5         14.1         12.7         12.1         12.6         13.0         14.5         13           5         F         11.2         11.6         12.2         13.1         12.7         14.5         14.1         12.7         12.1         12.6         13.0         14.5         14           5         F         11.2         11.2         14.5         14.1         12.7         12.1         12.6         13.0         14.5         13.8         14           5         F         13.0         10.2         9.7         9.9         12.4         12.1         12.6         13.0         14.9         13.8         14           5         F         11.5         13.4         13.9         11.1 <th>702</th> <th>n n</th> <th>. u.</th> <th>12.</th> <th>13.4</th> <th></th> <th>2.0</th> <th>. <del>.</del> .</th> <th></th> <th></th> <th>. E</th> <th>4.1</th> <th>11.7</th> <th></th> <th>13.3</th> <th>13.2</th> <th>13.6</th> <th></th> <th></th> <th>12.7</th> <th>2</th>	702	n n	. u.	12.	13.4		2.0	. <del>.</del> .			. E	4.1	11.7		13.3	13.2	13.6			12.7	2
5 F 11.0 12.8 13.0 12.6 12.2 13.0 14.0 11.7 12.3 13.6 13.0 14.5 13.0 14.5 13.0 14.5 13.0 14.5 13.0 14.5 13.0 14.5 13.0 14.5 13.0 12.8 13.0 12.8 13.0 12.2 13.0 14.0 11.7 12.3 13.6 13.0 14.5 13.0 14.5 13.0 14.5 13.0 14.5 14.1 12.7 12.1 12.6 13.0 12.9 14.5 14.1 12.7 12.1 12.6 13.0 12.9 14.5 13.0 10.8 10.2 9.7 9.9 12.4 13.9 11.9 12.4 12.4 14.3 13.8 14.5 13.0 10.8 10.2 9.7 9.9 12.4 13.9 11.9 12.4 12.4 14.3 13.8 14.5 13.0 10.8 10.2 9.7 9.9 12.4 13.9 11.9 12.4 12.4 13.0 13.8 14.5 13.8 14.1 12.9 13.4 13.0 13.6 13.4 16.5 13.4 13.9 11.1 14.2 13.8 14.1 12.9 13.4 13.0 13.6 13.4 16.5 13.4 13.9 11.1 14.2 13.8 14.1 12.9 13.4 13.0 13.6 13.6 13.6 13.6 13.6 13.6 13.6 13.6	703	2	ıL	11.0	12.8		12.6	12.2			11.7	12.3	13.6		14.5	13.4	14.4	13.5	14.1	8.6	<b>4</b> :
5 F 11.2 11.6 12.2 13.1 12.7 14.5 14.1 12.7 12.1 12.6 13.0 12.9 14 13.0 10.8 10.2 9.7 9.9 12.4 13.9 11.9 12.4 12.4 14.3 13.8 14 13.0 10.8 10.2 9.7 9.9 12.4 13.9 11.9 12.4 12.4 13.0 12.9 14.3 13.8 14 15.0 12.9 14.3 13.8 14.1 12.9 13.4 13.0 13.8 14.3 13.8 14.1 12.9 13.4 13.0 13.6 13.4 16 13.6 13.4 15.6 13.4 15.6 13.4 15.6 13.4 15.6 13.4 15.6 13.4 15.6 13.4 15.6 13.4 15.9 14.4 12.9 10.3 15.0 14.1 13.3 12.7 13.6 13.6 13.6 13.6 13.6 13.6 13.6 13.8 14.1 12.9 13.1 13.3 12.7 13.6 13.6 13.6 13.6 13.6 13.6 13.6 13.6	704	n n	L L	0.0	2 C 2 C 8 C		12.6 5.6	2.2	0.0			5 5 6 6	13.6 13.6		14.5 7.5	4.64	4 4	1.00 1.00 1.00 1.00	4 4	დ. დ თ თ	4 4
5         F         11.2         11.6         12.2         13.1         12.7         14.5         14.1         12.7         12.1         12.6         13.0         12.9         14           5         F         11.2         11.6         12.2         13.1         12.7         14.5         14.1         12.7         12.1         12.6         13.0         12.9         14           5         F         13.0         10.8         10.2         9.7         9.9         12.4         13.9         11.2         13.2         13.8         14           5         F         11.5         13.4         13.9         11.1         14.2         13.8         14.1         12.9         13.4         13.0         13.8         14           5         F         11.5         13.4         13.9         11.1         14.2         13.8         14.1         12.9         13.4         13.0         13.6         13.4         16           5         F         11.5         13.4         13.9         11.1         14.2         13.8         14.1         13.9         13.4         16.3         13.4         13.0         13.6         13.6         13.6         13.6	706	ט נט	. 14	)    -    -			1		) !			1	) i		)			)    -  -  -		)	. '
5         F         111.2         11.6         12.2         13.1         12.7         14.5         14.1         12.7         12.1         12.9         14.3         13.9         14.3         13.9         14.3         13.9         14.3         13.9         14.3         13.9         14.3         13.8         14         13.9         14.3         13.8         14         13.9         14.3         13.8         14         14.2         13.9         14.1         14.2         13.9         14.1         14.2         13.8         14.1         12.9         13.4         13.0         13.6         13.4         16.5         13.4         16.3         13.4         16.5         13.4         16.3         13.4         16.5         13.4         16.3         13.4         16.5         13.4         16.3         16.3         16.3         16.3         16.3         16.3         16.3         16.3         16.3         16.3         16.3         17.4         16.3         17.4         16.3         17.4         16.3         16.3         17.4         16.3         16.3         16.3         16.3         16.3         16.3         16.3         16.3         16.3         16.3         16.3         16.3         16.3	707	ស	L.	11.2	11.6		13.1	12.7	14.5		12.7	12.1		•	12.9	14.4	14.2	13.1	14.3	12.1	5
5 F 13.0 10.8 10.2 9.7 9.9 12.4 13.9 11.9 12.4 12.4 14.3 13.8 14 13.0 10.8 10.2 9.7 9.9 12.4 13.9 11.9 12.4 12.4 14.3 13.8 14 15.0 10.8 10.2 9.7 9.9 12.4 13.9 11.9 12.4 12.9 13.4 13.0 13.6 13.4 16 13.4 16 13.4 16 13.4 13.9 11.1 14.2 13.8 14.1 12.9 13.4 13.0 13.6 13.4 16 13.4 15.9 13.4 13.0 13.6 13.6 13.6 13.8 14.1 12.9 13.4 13.0 13.6 13.6 13.8 14.1 12.6 12.9 14.4 12.9 10.3 15.0 14.1 13.3 12.7 13.6 13.6 13.6 13.6 13.6 13.6 13.6 13.6	708	ហ	<b>L</b>	- 5	9.0		<u>د</u> و	12.7	5 .5		12.7			•	9.5	4.4	4 6	- c	4.3 6.4	- 0	ლი ლი
5 F 13.0 10.8 10.2 9.7 9.9 12.4	7.10	ກແ		0.6	5 5 8 8		ה ס	n o	4.0		ο σ		4 4	•	2 C	9 6	5 E	2 0	 0 00	2 C	ח סו
5 F 11.5 13.4 13.9 11.1 14.2 13.8 14.1 12.9 13.4 13.0 13.6 13.4 16 5 F 11.5 13.4 13.9 11.1 14.2 13.8 14.1 12.9 13.4 13.0 13.6 13.4 16 5 F 11.5 13.4 13.9 11.1 14.2 13.8 14.1 12.9 13.4 13.0 13.6 13.6 13.6 13.6 13.6 13.6 13.6 13.6	711	ט ונ	. 14	13.0	6.8		. 6	, o	12.4		: ;		٠ ١	٠,	)		)	)	:		)
5 F 11.5 13.4 13.9 11.1 14.2 13.8 14.1 12.9 13.4 13.0 13.6 13.6 13.5 F 11.1 12.6 12.9 14.4 12.9 10.3 15.0 14.1 13.3 12.7 13.6 13.6 13.5 F 10.5 10.8 11.4 11.9 12.0 12.5 9.9 14.1 12.7 13.1 13.3 16.0 17.5 F 10.5 10.8 11.4 11.9 12.0 12.5 9.9 14.1 12.7 13.1 13.3 16.0 17.5 10.8 11.4 11.9 12.0 12.5 9.9 14.1 12.7 13.1 13.3 16.0 17.5 10.8 11.4 11.9 12.0 12.5 9.9 14.1 12.7 13.1 13.3 16.0 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5	712	ស	<b>L</b>	1.5	13.4		1.1	14.2	13.8			•	13.0	•	•	16.3	16.7	15.4	16.1	18.3	15.0
5 F 11.5 13.4 13.9 11.1 14.2 13.8 14.1 12.9 13.4 13.0 13.6 5 F 11.1 12.6 12.9 14.4 12.9 10.3 15.0 14.1 13.3 12.7 13.6 13.6 13.5 F 10.5 10.8 11.4 11.9 12.0 12.5 9.9 14.1 12.7 13.1 13.3 16.0 5 F 10.5 10.8 11.4 11.9 12.0 12.5 9.9 14.1 12.7 13.1 13.3 5 F 10.5 10.8 11.4 11.9 12.0 12.5 9.9 14.1 12.7 13.1 13.3 16.0 5 F 10.5 10.8 11.4 11.9 12.0 12.5 9.9 14.1 12.7 13.1 13.3 16.0 5 F 10.5 10.8 11.4 11.9 12.0 12.5 9.9 14.1 12.7 13.1 13.3 16.0 5 F 10.5 10.8 11.4 11.9 12.0 12.5 9.9 14.1 12.7 13.1 13.3 15.0 5 F 10.5 10.8 11.4 11.9 12.0 12.5 9.9 14.1 12.7 13.1 13.3 15.0 5 F 10.5 10.8 11.4 11.9 12.0 12.5 9.9 14.1 12.7 13.1 13.3 15.0 5 F 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5	713	in i	<b>L</b>	!!	[ ]		1 :	1	1		1	١			1	1	1	!	!	1	1
5 F 11.1 12.6 12.9 14.4 12.9 10.3 15.0 14.1 13.3 12.7 13.6 13.6 13.6 13.5 5 F 11.1 12.6 12.9 14.4 12.9 10.3 15.0 14.1 13.3 12.7 13.6 13.6 13.6 5 F 10.5 10.8 11.4 11.9 12.0 12.5 9.9 14.1 12.7 13.1 13.3 16.0 -5 5 F 10.5 10.8 11.4 11.9 12.0 12.5 9.9 14.1 12.7 13.1 13.3 16.0 -5 6 F 10.5 10.8 11.4 11.9 12.0 12.5 9.9 14.1 12.7 13.1 13.3 16.0 -5 6 F 10.5 10.8 11.4 11.9 12.0 12.5 9.9 14.1 12.7 13.1 13.3 15.0 -5 7 10.5 10.8 11.4 11.9 12.0 12.5 9.9 14.1 12.7 13.1 13.3 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0	714	ស <u>ព</u>	<u></u>	11.5	13.4		11.1		٠ ۱	14.1		٠, ١	٠, ١		1 1	1 1	!!!	! ! ! !	! ! ! !		1 1
5 F 11.1 12.6 12.9 14.4 12.9 10.3 15.0 14.1 13.3 12.7 13.6 13.6 13.6 13.5 5 F 10.5 10.8 11.4 11.9 12.0 12.5 9.9 14.1 12.7 13.1 13.3 16.0 -5 F 10.5 10.8 11.4 11.9 12.0 12.5 9.9 14.1 12.7 13.1 13.3	716	ם מ	L	-	12 6		14 4	,	1				10 7			6	14.1	9	14.1		Ξ
5 F 10.5 10.8 11.4 11.9 12.0 12.5 9.9 14.1 12.7 13.1 13.3 16.0 5 F 10.5 10.8 11.4 11.9 12.0 12.5 9.9 14.1 12.7 13.1 13.3	717	ט נט	. 14				4.4						12.7			13.6		13.6	1.4	12.6	Ξ
5 F 10.5 10.8 11.4 11.9 12.0 12.5 9.9 14.1 12.7 13.1 13.3	7 18	ស	u.				6.1					•	13.		•	ı	!	1	1	ł !	•
	61.	ı n	<b>L</b>			٠,	5								ţ						

Table VI.3 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGENICITY STUDY OF

HEXAHYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

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×0:	ŊΨ									-	TEST WE	WEEK								
	л ×	30	32	34	36	38	40	42	4	46	48	50	52	54	26	58	09	62	64	99
i	<b>L</b>	12.1	13.4	11.9	11.2	11.1	12.9	12.5	12.6	13.0	13.6	13.6	6.8	15.9	15.2	14.6	14.9	14.6	14.9	17.3
	u.	12.1	13.4	11.9	11.2	1.1	12.9	12.5	12.6	13.0	13.6	13.6	69 69	15.9	15.2	14.6	14.9	14.6	4.9	17.3
	u.	1	1	1	1 1	!	t 1	1	1	1	1	 	1	1	1	1	1	1	!!!	1
	<b>L</b>	11.5	11.3	13.3	12.6	4.1.	11.6	11.7	4.11	11.4	12.1	13.0	14.3	14.5	15.1	14.6	14.4	ත ත	10.6	14.3
	u.	11.5	1.3	13.3	12.6	11.4	1.6	11.7	4.	4.1	12.1	13.0	14.3	1	1	!	1	1	i	;
		11.5	11.3	13.3	12.6	11.4	1.6	11.7	11.4	11.4	12.1	13.0	14.3	14.5	±5.1	14.6	14.4	6 6	10.6	14.3
	u.	11.0	13.1	13.2	4.0	12.3	12.8	13.9	13.9	13.0	13.0	13.3	43.4	13.2	13.4	12.9	12.5	:	!	!
	u	11.0	13.1	13.2	4.0	12.3	12.8	13.9	13.9	13.0	13.0	13.3	13.4	13.2	13.4	12.9	12.5	11.6	<del>-</del> :-	14.8
	L	11.0	13.1	13.2	0.4	12.3	12.8	13.9	13.9	13.0	13.0	13.3	43.4	13.2	13.4	12.9	12.5	11.6	<del>-</del> -	14.8
	L.	1.0	12.0	6.	)     	1	{	!!!	;	; i	1	;	ľ	1	}	! !	:	;	!	:
	Ŀ	1.0	12.0	6.1	11.9	10.7	12.9	13.4	13.0	12.5	12.8	13.3	:	!!	1	!	!	:	1	!
	u.	11.0	12.0	6. =	6.1	10.7	12.9	13.4	13.0	12.5	12.8	13.3	13.8	12.4	13.4	13.9	14.3	15.6	13.9	17.1
	u.	13.9	22.9	14.0	12.6	13.9	14.0	13.1	13.1	15.4	12.0	6.0	13.5	13.4	4.0	14.9	11.2	10.6	13.6	13.8
	u.	1 1	1	1	;	;	1	1	! !	1	!	1	:	1	!	1	:	;	!	;
	L.	13.9	22.9	0.4	12.6	13.9	4.0	<del>1</del> 3. ±	13.1	15.4	12.0	0.4	13.5	13.4	4.0	14.9	11.2	10.6	13.6	13.8
	u.	10.3	6.6	4.01	6 6	10.2	4.1	12.6	1.6	_	11.4	11.2	11.7	12.4	13.4	12.0	±.8	12.7	- - -	13.0
	u.	10.3	6.6	4.01	6 6	10.2	11.4	12.6	1.6	<u>=</u>	11.4	11.2	11.7	12.4	13.4	12.0	<del>-</del> .	12.7	<u>-</u> .	13.0
	L.	10.3	6 6	4.01	6. 6	10.2	11.4	12.6	1.6	±.5	4.1	11.2	11.7	12.4	43.4	12.0	<b>8</b> :	12.7	<del>1</del> 0.	13.0
	u	9.5	12.4	13.6	0.1	12.1	8. -	12.0	14.3	12.0	<b>4</b>	13.9	14.3	4.4	13.7	0.4	16.0	- -	13.4	5.0
	Ľ	9.2	12.4	13.6	0.1	12.1	<b>8</b>	12.0	† •	1	1		1 	1	!		1 1	† †	!	1
	u.	1	1	1	1	 	!		!	1	1	1	1	! !	 	1	:	}	1	1
	u.	1 1	1	f	1	! !	1	1	!	1	1	1	1	1	1	!	} !	!	!	;
	u.	11.5	-	12.6	<b>6</b> 7	11.2	1	!	1	!	1	:	}	!	1	1	ţ	1	ł	1
	u.	11.5	<del>-</del> :=	12.6	60 60	11.2	12.7	15.6	14.3	12.6	13.7	13.4	13.9	16.0	15.0	12.1	13.4	4.4	14.9	4.0
	u.	1.8	11.2	1.5	11.4	12.6	9.	-	12.3	12.4	<del>-</del> 8.	12.2	12.8	13.3	13.0	12.7	13.1	13.0	<del>-</del> -	13.7
	u.	11.8	11.2	11.5	11.4	12.6	1.6	7.5	12.3	12.4	æ. =	12.2	12.8	13.3	13.0	12.7	13.1	13.0	11.1	13.7
	u.	11.8	11.2	11.5	11.4	12.6	11.6	11.5	12.3	12.4	11.8	12.2	12.8	13.3	13.0	12.7	13.1	13.0	<del>-</del> -	13.7
	u.	12.4	0.	11.3	1.0	<del>1</del> 0.4	ල ල	13.9	12.6	11.7	1.6	12.3	12.5	10.7	:	ł	;	1	:	† 1
	ıL	12.4	11.0	11.3	11.0	10.1	e. 6	13.9	12.6	11.7	11.6	12.3	12.5	10.7	14.1	15.1	12.5	14.3	8.7	13.9
	u.	12.4	11.0	11.3	11.0	10.1	9.3	13.9	12.6	11.7	1.6	12.3	12.5	10.7	14.1	5.	12.5	14.3	8.7	13.9

-- \* NO AVAILABLE DATA

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGENICITY STUDY OF
HEXAHYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ΣΟ ·   - 4 ω 4 ₪ α Ο Ͻ σ   +	88 6	17.0	18.0	19.7	76 18.6 16.3 16.3	18.7	18.4	16.4	1	86 17.1 17.1 14.6	WEEK 88 16.0 14.3	13.1 13.1 15.2 15.2	13.3 15.3 15.3	10.6	96	98	100	102	104
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.4.4.1.1.2.1.2.1.2.1.2.1.2.1.2.1.2.1.2.1	8 8 1 1 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9	1000 1000 1000 1000 1000 1000 1000 100	16.7 17.3 17.3 17.9 15.8 15.8		6.66 6.22 6.22 6.22 6.22 7.22 7.22 7.22	4 0 0 1 1 4 4 E E E E	15.5 15.5 17.1 17.1 15.9 15.9 15.9	16.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	6.821   6.82   8	2. 1. 1. 1. 1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	2.221 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6	15.0 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1	13.00.00.00.00.00.00.00.00.00.00.00.00.00	6111122222	2.1 1 1 1 1 1 1 2 1 2 1 1 1 1 1 1 1 1 1	# 1 1 1 1 8 8 8 12 2 2 1 1 1 1 1 1 1 1 1	15.0 14.7 14.7 13.7 13.7
17 18 19 19 11 20 11 23 11 8 8 11 8 12 13 14 14 15 15 15 15 15 15 15 15 15 15 15 15 15	20.7	21.7	20.7	22.0	18.7	18.6	19.7	15.9	16.4	20.3	20.7	20.1	21.4	15.4 20.4 16.4	15.9	21.1	15.4 21.7 21.7 17.4	15.9  20.6 	16.6
256 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	17.2 17.2 18.1 17.9 17.9 17.9 19.3 19.3 20.1 17.9 17.9 17.9 17.9 17.9 17.9 17.9 17	7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.	8. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19	C. C. C. C. C. C. C. C. C. C. C. C. C. C	E. 83 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	######################################	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.00088166101010101010	2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.	0.0000000000000000000000000000000000000	0.8810000000000000000000000000000000000	######################################	44 4 4 1 1 6 6 1 6 1 6 1 6 1 6 1 6 1 6 1	7.4442 7.4442	4446   44   40   60   61   61   61   61   61   61   6	0 0 0 0 0 1 1 4 4 1 0 1 0 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	8. 1	2. 1 2. 2. 1 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	15.8 15.1 12.4 12.7 12.7 17.9 17.9

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL FUOD CONSUMPTION MEASUREMENTS (g/day)

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	2 104	!																																			13,1 12,1	
	100 102	I I																																			13.0 13	
	98 10	;																																			11.5 10	
	96	1																																			12.6	
	94	 	16.0	14.6	14.6	14.6	16.4	16.4		16.4	· ·	16.4	2	13.6	13.6	!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	•	15.1	14.2	14.2	1	1	1	! !	1	1	16.9	;	1.7	- u	ה ה	16.5	15.0	15.0	15.0	12.6	12.6	1
	95	! ! !	14.0	14.8	14.8	14.8	17.0	17.0	. !	16.4	. i	16.4	12.0	12.2	12.2	1	1	11.6	13.9	13.9	1	;	;	;	1	1	17.0	1 !		- 0	n 0	9	14.9	14.9	14.9	13.1	13.1	1 1
	06	-																																				
WEEK	88	1																																			12.6	
TEST	86	1																																			11.4	
	84	i																																			0.11.0	
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	9/	6	σ	σ	σ	σ			וכ	•			ro	· σ	ົດ	T	5		9	9	9	ı	,		,	,	_	1	<b>.</b> .	20 1	- 1		. ~	7	7	6	9 11 6	
		.0 15.	5	, r	<u>.</u>	. r.	÷	4	- 1	4	2 1	4	Ā	, fc	Ť.	16	16	16	9	16	16	1	1	1	ı	,	19	1 1	- 1	- :	ם ע	2 4	9	16	16	12	12	1
	0 72	4 16	16			2	-		- !	*	- !	15	- 4	9 4	6 15	3 16	3 16	3 16	.7 15	.7 15	.7 15	!	1	!	!	!	.6 17	1 !	0.0	0.0	ָר פיש	6 6 7	7 16	7 16	7 16	2 12	2 12	1
	7	2		. a	α	α	, c		ָן נִי	٢	. ;	1	٠ .	) C	0	7	7	7	0	0.	.0	1		1 1	1	1	.7 18	1 !	<b>19</b> (	۰ .	<b>.</b>	i 4	9	ဖ	9	7	.2 13	1
	Õ	16	. 9	14	14	4	17		- 1	,	<u> </u>			1	17	16	16	16	9!	16	16	•	1	1	i	1	<b>4</b>	1 4	<b>\$</b>	2 .	5 7	5 6	16	16	16	13	13	i
	1	1 3	· <b>3</b>	. 2	· 3	· 3	: 3	3	E 3	EZ	E 2	E 3	E 3	E 3	Σ	Σ	Σ	2	Z	¥	¥	I	Σ	Σ	2	Σ	Σ	Σ	Σ:	Ξ:	E 3	E 3	Σ	Σ	Σ	u.	u.	u.
S	N X	1																																				

- - NO AVATIABLE DATA

					:	TWENT	Y FOUR		Table	le VI.3	) <u>}</u>	continued)	$\sim$ $\sim$	CITY STU	STUDY OF	•					
42H\$4J 20	+ œ 5 œ o :	v ،			L	E XAHYU	RO-1, 3, 5- INDIVIDUA	DUAL FI	5-171NJJR0-1, UAL FOOD CONS	CONSUMPTION	ION ME	MEASUREMENTS) IN	EMENTS (g/,	// day )	Fischek kaday)	=					
o ·	⊃ •	w ×	68	70	72	74	9/	78	80	82	84	98	88	90	92	94	96	86	50	102	104
81	-	<u>.</u>	!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	!             	! ! ! ! ! !	 	! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !	 	; ! ! ! !	! ! ! ! ! !	! ! ! ! ! !	 	, , , , , ,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		; ; ; ! ! !		 	! ! ! ! !	   1 
82	-	<b>L</b>	10.6	12.0	11.4	T	11.4	11.6	11.8		10.9	11.4	11.4	12.4	12.2	<b>40.8</b>	11.3	0	9.7	1	1:
8 9	<b></b>	<u>ı. ı</u>	9.0	25.0	4.4		4. +	9.4	60 d	9.4	0.0 6.0	<del>-</del> - 4 -	4 4	4.5	12.2	Ø 0	E :	0,0		4.4	- :
<b>30 0</b> 2		<b>. L</b> .	9.0	13.6	12.9	12.9	12.3	12.7	13.6	0.4	12.1	12.7	- <del>-</del> -	2 E	13.8	2.0	13.5		10.9	. 4 . 6	<u>.</u>
98	-	. LL	13.0	13.6	12.9	12.9	12.3	12.7	13.6	14.4	12.1			13.8	13.8	12.4	13.1	ī.	10.9	14.3	13.
87		<b>L</b> 1	! !	1 0	1 9	! (	1 0	1	1 9	1 6	1 6	1 9	1 0	1 5			- 4	; ,	1 0	! !	;
88 6		<b>L</b> U	<u>4</u> 4		<del>4</del> <del>4</del> 4	13.3	43.5	4.6	4 4 2	13.6	12.7	12.6 5.6	9 c	13.7	4 5	4.4	2.4.5 C.R	4 4 4 4	9.6	10.7	2 5
D C		<b>.</b> L	14.2	5.0	14.0	D. 5	13.2		7.4.	٠,	12.1	9.7	0 1 0 1	7		4 · · · · · · · · · · · · · · · · · · ·	4 1 . 1		ภ : - -	. !	. 1
9 -		. 1	1	1	!	;	- 1	1	:			l l	1 1	;	!	   	!	<i>†</i>	1	- 1	l
92	-	<b>L</b>	11.9	13.0	12.9	12.9	12.1		11.0	12.7	12.0		13.0	12.1		41.4	11.3	11.7.	•	12.1	13
e 6		L 1		: 1			•	1 0	ı	(	- 0	: U		1	1 0	1 4		1 5	0	1 6	;
94		<b>L</b> L	4. 5.	eo e Tu	11.7	9. 1	4.4	ده دن		12.0	5 C	_ <u>_</u>		2. C	12.6		12.6	12.6 5.6	9.21	0 0	2 5
96		. L	12.4		11.7	9.	4.			12.0	<b>8</b> .		11.7	12.3	12.6	. T.	12.6	12.6		13.0	2
97	-	u.	12.0	6.8	1	1		1	1	1	1		!	J L I	ŧ !	[ ! !	! !	] 	!	1	1
86	-	<b>L</b>	12.0	Ø. Ø	12.9	14.1	12.9	12.7	•	8.7	•	13.6			19.3	20.0	6.6	1	ŧ	i i	1
6 C		<u></u>	7 6 4		1 2	10.7	1 -	1 6	1 6	1 2 6		1 CT	13 7	10.01	1 6	12 4	12 6	12 7	1 6	5	1 6
35			13.4	13.5	12.8	12.7	9.1	13.0	13.9	13.2	1.5	12.5	13.7	12.3	13.3	12.4	12.6	12.7	13.0	13.9	£.
05	-	<u>u.</u> (	43.4	13.5	12.8	12.7	6,4	13.0	13.9	13.2	11.5	12.9	13.7	12.3	13.3	12.4	12.6	12.7	13.0	13.9	Ē.
0 0		<u></u>	12.2	2 5		12.0	0.27	12.	12.3 5.3	5 E		12.0	12.7	12.3	13.5 5	12.2	12.7	12.6	. T	. T	2 2
02	-		12.2	12.1	1.1	12.0	12.0	12.1	12.3	11.9		12.0	12.7	12.3	13.5	12.2	12.7	12.6	13.1	13.1	12.
90	<b>-</b> ,	u. i	12.8	13.0	12.6		77	9.5	12.1	12.1	ლ ლ:	12.2	9 :	13.2	12.8	12.7	12.8	13.0	12.9	0 0 1 1	ق
> 8	- •	LU	, c	2 5	12.6		7.5		2 5	12.1		12.5	- =	5 t.	0 ¢	10.7	0. C	2 6	2 2	5 5 0 0	n <b>o</b>
0 0		. 1	13.0	12.7	6	12.4	12.4	13.5	9.6	12.3	11,0		7.3	1 2	12.4	11.9	10.4	0.	12.0	13.6	5
9	_	L.	13.1	12.7	11.9	12.4	12.4	13.5		12.3	11.4	9.5	7.3	!!	!	1 1	-	1	1 1 1	1 1	-
= :	-	LL I	! !	1 (	1 .	1 6	1 (	1	1	t	1 6	1 1	} ·	1	1	1	ł	1	1	1	1
2 5	- •			ص د ص د	4.	ص د د	ນ ( ນັກ	13.3	14.9	9.	5	13.7	2.	14.4	 	1 1	l	t   	     	1 1	1 1
2 4		يا ــ		ມ. ພ +	4 . 1	ו מ ו מ	ו מ ו מ	1 1	1 1	1 1	t } 1 1	1 1		1 1	l ! ; !	1 1	1 1	     	1 1	1	1 1
ī Ž	-	. u.	11.4	11.5	10.6	11.7	11.1	•			11.3	11.4	11.6	11.3	12.1	10.9	11.9	12.7		11.4	7.
9 !	<b>-</b> ·	<b>i</b> . I	! !	! !	1 9	!!	! !	+	1	!!	0	!;	1 :	•	1 5	1 0	1	1 5	1 1	! ;	¦ •
17 7		L L	4 6 4 6	13.5	10.6	12.0		13.5	15.7	13.4	12.4	4.6	11.6 13.6		15.4	0.4 0.9	1. 13.9	12.7	11.7	7 9.	7.
6	· <b>-</b>	. <b>L</b>	13.6	13.2	12.5	12.0	13.1	13.1	15.2	13.4	12.4	13.9	13.6	13.9	15.2	14.9	13.8	11.7	11.0	11.6	13.
ç	•	u	111	1	1	1	1	1	1	1	1	1	1	1	1	1	! ! !	1	1	1	!

NO AVAILABLE DATA

3.6 0.44.0 12.4 9.6 13.7 17.4 19.4 4 4 4 6 1 4 20.0 6 14.0 13.0 13.0 1.000444422 1.000444422 1.0004 1.00004 1.0004 1.0004 1.0004 1.0004 1.0004 1.0004 1.0004 1.0004 1.000 13.0 0 11.21.1.80.82 17.5 ი ი ď 8.7 σ 2 4 C တတ်၊တ 0 0.6 0.44444447. 0.000111011 15.7 12.1 IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day) 14.3 16.4 12.7 12.7 12.7 13.7 9 14.3 9 4 (continued) 88 9999 ဖွဲ့ ဖွဲ့ 2 ြက်ကြွယ် ပြတ် 5.6 11.7 11.7 12.0 12.0 669 9 1 TEST 86 4.1122.00120 17.9 10.7 12.1 ---17.0 17.0 001 9 84 VI.3 i 6 6 <u>∼</u> 0.3 12.7 12.7 12.7 13.5 ß 44:004: 44 22.7 Table <u>ا نو</u> 7 6 က 6 0004 4 மும் တတ္တက 10 ര 4 40 თ ი 4 9 0 9 0 0 9 0 . မမ . ၈၈ ဆ . ဆ က 1.1. 11.3 000010 **nn4** i 4 u <u>α</u> <u>α</u> 717 19 22 13.0 11.4 2225 11.8 12.4 12.3 12.3 13.1 13.1 18.0 177779998 6 o 0 6.6.6.6.2.2.2.2.2.2.3.3.1 **∞ ∞ ∞** 18 0 a 0 D a

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Table VI.3 (continued)

Twenty four month chronic foxicity/carcinogenicity study of

HEXAHYDRO-1,3.5-TRINITRO-1,3.5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

٠.	<b>5</b> 0																				
z	x O	v									-	TEST WE	WEEK		•						
o ·	<b>⊃</b> •	ш×	68	70	72	74	9/	78	80	82	84	98	88	90	95	94	96	86	8	102	104
161	2	<b>3</b>	1	;	1 1	1 1 1				1 1 1 1 1 1 1 1		1 1 1 1	1 1 1 1 1		1 1	)   1   1   1   1			1		! !
162	~	I			! !	1	1	1	1	1 1	!	! !	1	1	1	;	1 i	1	1	1   1	1
163	7	¥			18.4	18.7	15.4	16.8	17.0	16.4	16.9	16.4	16.5	16.1	15.6	6.0	17.9	20.9	18.4	18.1	19.4
164	7	I			1	1 1 1	1	l !	!	-	1 1 1	1	1	-	1	1	1 1	!	!	! !	!
165	7	I			18.4	18.7	15.4	16.8	17.0	16.4	16.9	16.4	16.5	16.1	15.6	10.9	1	1	! ! !	)   	1 1
166	7	¥			17.9	17.6	17.0	1.7 7	18.1	16.5	15.4	14.9	16.4	17.3	16.8	15.3	15.3	13.6	15.9	£5.9	15.5
167	8	£			17.9	17.6	17.0	17.7	18 1	16.5	15.4	14.9	16.4	17.3	16.8	15.3	15.3	13.6	15.9	15.9	15.5
168	7	Σ			:	1 1	!		1	!!!	1 1	1	1 1	-  -  -	1	;	t t	1	!	!	
169	7	Σ			1	1	1	1	1	1	1	! !	!	1 1 t	!	;	!	:	1	 	 
170	7	I			1	1	1	1 1	i i	1	1	1	1 1	!	! !	 	!	! ! !	1	1 1	1
171	8	¥			1	!	; !	! !	!	1		  -  -	1 1	-	!	1	1	1	1	!	
172	7	I			15.0	17.1	16.6	14.9	16.0	16.4	15.7	14.9	15.5	14.7	16.0	15.6	14.8	- -	12.2	17.4	17.4
173	8	Σ			15.0	17.1	16.6	14.9	16.0	16.4	15.7	14.9	15.5	14.7	16.0	15.6	14.8	11.6	12.2	!	
174	8	Σ			15.0	17.1	16.6	14.9	16.0	16.4	15.7	14.9	15.5	14.7	16.0	15.6	14.8	11.6	12.2	17.4	17.4
175	8	I			19.7	19.6	17.3	18.4	19.0	17.4	15.1	18.7	18.7	18.1	18.4	17.3	16.6	16.6	16.7	17.7	14.6
176	8	Œ			-	!	1	1	1	1	1	1 1	1	!	 	i ;	1	1	1	1	1
177	7	Σ			1	1	1	;		1	1 1	1	1	1		1	1	1	1	1	
178	8	Σ			16.2	16.5	16.0	15.2	14.0	14.7	12.5	13.7	15.5	15.9	18.4	16.1	16.4	16.4	21.8	15.9	13.0
179	0	Œ			16.2	16.5	16.0	15.2	14.0	14.7	12.5	13.7	15.5	15.9	18.4	16.1	16.4	16.4	21.8	15.9	13.0
180	7	Σ			16.2	16.5	16.0	15.2	14.0	14.7	12.5	13.7	1		!	!	1	1	1	l !	1
181	7	I			21.0	21.4	18.6	17.9	20.0	19.0	17.9	16.9	17.1	16.3	14.0	19.4	18.6	19.6	18.1	18.3	20.4
182	7	Σ			-	1	] ;	1	1	1	1	1	1	1	!	1 3 1	 	† 	!	1	1
183	7	Σ			1	1	]	1 1 1	1	1	;	! ! !	1	!		! !	:	; ! !	1	-	1
184	7	¥			16.0	15.5	15.2	14.7	15.1	15.0	14.5	15.0	13.6	15.0	15.0	14.0	13.5	13.0	10.5	10.7	12.0
185	7	Σ			16.0	15.5	15.2	14.7	15.1	15.0	14.5	15.0	13.6	15.0	15.0	0.4	13.5	13.0	10.5	10.7	12.0
186	7	Σ			0.9	15.5	15.2	14.7	-	5.0	5.5	5.0	13.6	15.0	15.0	14.0	13.5	13.0	10.5	10.7	12.0
187	7	<b>T</b>			8.8	17.9	18.4	16.5	0.8	17.5	16.4	15.5	5.9	17.9	17.5	9.9	16.4	16.6	17.2	6.9	17.3
188	7	<b>S</b> :			1 1	1 1		!!	1		;		; ;	! !		;	;	1 1	! !		1 (
684	~ 0	Σ:			80 r	17.9	4 6	16.5	8 i	17.5	9.1			6. V	۲. ۲. د . ۲	9 4	4.6	9.4	7.7	9.4	D ( ) I
190	7 (	Σ:			0 0	9 9	2.5		7.7	4.4				9 4	0.0		n c	0 H	0 u	1. H	7 (
6.6	7 (	E			20.0	16.1	73.2	2 i	7.61	4 1		- 12	ا د ا د	- 10 -	0.0	0 1	ים פות	. i	† i	. i	2 - 6 -
7 6	ч с	E 3			1 9				9		n n	7	77	a //	i,	44.0	* **	0	144	ū	-
56.	<b>v</b> c	E 3			9 4			2 0	9 9		. t	2 4	5 6	9 0	. i	, ,		2 5		, r	· -
, d	, c	E 3			9 4	, <u>, , , , , , , , , , , , , , , , , , </u>		2 5	9 4	. 4	. t	2 4	. 4	2 4	<u>ا</u> ا	14.2	14	5	7	<u>د</u> د د	, <del>,</del>
0 0	۷ ر	E 3			2 -	2 1		2 4	2 5	0 0	. A	. r	ָ ט ט	ı ı	. r	. r		7 7	0	) i	)
00.	y (	E 3			- !	0 1	5 1	0 1	2 !	0 1	0 1	2 1	9 1	- :	2 1		)    -  -	. !	) ¦	!	1
100	, c	E 3			17 1	17.0	16.2	46.6	17.0	8 24	ī,	15.7	9	Ť.	ת מ	15.4	14.5	13.4	Ç	48	6
9 6	10	i 3			<u>.</u> م	) e	ر د د	ب د د د	. u	ָ ק ייי	. T.	16.3	12.5	. !	)	. ;	) ( : !	· ;	)	·	) (
200	, 0	: <b>2</b>	. rc	17.5	5 5	16.3	. R	. E	16.4	5 5	4.5	16.3	12.2	16.9	17.9	17.5	17.6	19.7	20.2	20.1	8.4
)	ı	i			)	)	)	)		)			! !								

--- = NO AVAILABLE DATA

Table VI.3 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF

HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHEF RAT

INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (9/day)

**ე** დ

Z	0 :	S									_	TEST WE	WEEK								
o .	ے د	u ×	68	70	72	74	76	78	80	82	84	86	88	06	92	94	96	98	100	102	104
201	2	<b>.</b>	15.8	17.5	15.9	16.3	15.5	15.8	16.4	16.5	15.4	16.3	12.2	16.9	17.9	17.5	17.6	19.7	20.2	20.1	8.4
202	7	¥	1	1	1	1 1				1	1	1	;	1 1	1	] ! !	!	1	1	1	1 1
203	7	Σ	19.2	19.2	17.9	16.4		16.9	17.6	17.0	17.3	18.2	17.4	18.9	18.0	19.1	6.71	18.1	0.7	16.4	5.1
204	7	<b>I</b>	19.2	19.2	17.9	16.4		6.9	9.1	17.0		18 2	47.4	6.6	<b>8</b> 1	- 6	6 .	- 6	17.0	16.4	-2.
205	7	<b>Y</b> :	16.5	16.5	5.1	16.2		ا ت	15 15 15	15.4	7 1	7.4	2.0	5.3		ا ان ان	æ :	2 5		1 4	;
206	7	Σ	5.5	9.5	5.6	16.2		. 5 . 5	5.5	15.4	14.7	7 7	13.7	. 3	. 5 . 5	 	80 :	10.7	4.4	9.6	14.2
207	7	Σ	16.5	16.5	15.6	16.2		7.5	5.5	15.4	14.7	14.7	13.7	<del>1</del> 4.3	15.5	4.3	æ.	10.7	4.	15.6	14.2
208	7	¥	15.9	16.2	15.5	15.4		16.6	16.9	16.4	1.9	0.9	16.4	16.4	14.2	16.3	15.4	16.5 5	5.9	14.7	11.8 1.8
209	7	Σ	15.9	16.2	15.5	15.4		16.6	16.9	16.4	16.1	16.0	16.4	16.4	14.2	16.3	15.4	16.5	15.9	14.7	<del></del> 8
210	7	Σ	15.9	16.2	15.5	15.4		1		:	:	1	! ; !	1	1 1	} [ ]	;	1	I I i	!!!	!!
211	8	I	15.6	15.8	14.9	14.5		<b>1</b> 0.9	1	: ,		1	1	1	!	1	1 ! !	1	1	1	1 1
212	7	I	15.6	15.8	14.9	14.5		10.9	16.4	5.5	15.8	16.6	15.9	16.6	16.5	15.8	14.9	14.6	15.1	10.6	12.1
213	7	Œ	15.6	5.8	14.9	14.5		10.9	16.4	15.5	15.8	16.6	15.9	16.6	16.5	15.8	14.9	14.6	15.1	10.6	12.1
214	7	Σ	16.8	16.4	9.91	16.6		10.7	14.4	14.2	12.9	! ! !	} !	1	1	1	-	1	i i 1	1	•
215	7	Œ	16.8	16.4	16.6	16.6		10.7	14.4	14.2	12.9	14.4	15.4	16.7	18.7	16.7	10.7	18.4	17.9	19.3	17.7
216	7	Σ	1		1	1		1		1 1	!	1	; ;	!	t 1 1	) ! !	!	1	1	!	1 1
217	0	X	19.7	20.3	20.4	20.0		17.1	18.1	16.9	17.7	15.6	4.	1	!	1	1	!	• •	!	1
218	7	Σ	1	1	1	1		!	1	1	i i	{ 	i j	 	1	1	!	1	1	1 1	;
219	7	Σ	1	1	1	1		1	-	1	1	1	!!	1	1	1	1	1	1	1	1
220	7	Σ	15.1	16.1	14.5	15.9		13.5	14.9	15.1	14.9	13.8	13.1	13.1	14.6	15.2	14.0	15.6	14.6	15.1	15.2
221	7	Σ	15.1	16.1	14.5	15.9		13.5	14.9	15.1	14.9	13.8	13.1	13.1	14.6	15.2	14.0	15.6	14.6	15.1	15.2
222	7	Σ	15.1	16.1	14.5	15.9		13.5	14.9	15.1	14.9	13.8	13.1	13.1	14.6	15.2	0.41	f ;	!	1 1	;
223	7	Œ	18.3	18.7	18.0	18.6		16.2	18.4	17.6	17.6	16.3	17.4	18.7	22.1	20.7	18.7	20.0	19.6	20.1	18.9
224	7	Σ	1 1	1	,	1 1		1	1 1	1	1	# ! !	!	1	1	!	1	:	1	1 1	;
225	7	¥	18.3	18.7	18.0	18.6		16.2	18.4	17.6	17.6	16.3	1	! !		1	1 4 1	1	1	1	1
226	7	L.	1 1	1	1	1		1	;	; ;	1	+	1 1		1 1 1		1	1	!	!	1
227	7	u.	14.0	13.9	12.1	12.0		14.0	14.9	13.6	13.9	1.9	13.1	12.9	13.3	8.7	12.0	0.6	14	6.6	13.6
228	7	u.	! !	1 1 1	t 1	1		1	1 4 1	1 - 1	1	} !	1	1	!	!	!	1	;	:	1
229	7	Ŀ	13.9	13.6	12.6	12.2		12.9	4.8	13.0	12.5	12.6	13.9	13.9	14.4	13.3	9.5	9.0	1	16.1	16.4
230	7	ı	1	1	1	1		1	1 1	:	ł l	1	!	1	1	;	!	[ [ ]	1	1	1
231	7	Ŀ	13.9	13.6	12.6	12.2		12.9	14.8	13.0	12.6	12.6	13.9	13.9	14.4	13.3	9.5	10.6	1	l f 1	!!!
232	7	u.	13.1	14.0	12.5	13.0		12.6	13.7	12.4	11.7	11.7	4.1	11.4	10.6	9.0	12.0	12.0	13.5	9.6	12.3
233	7	u.	13.1	14.0	12.5	13.0		12.6	13.7	12.4	11.7	11.7	11.4	7.7	10.6	0.6	12.0	12.0	13.5	9.6	12.3
234	7	L.	13.1	14.0	12.5	13.0		12.6	13.7	12.4	11.7	11.7	4.4	11.4	10.6	0.6	2.0	12.0	13.5	9.6	12.3
235	7	L.	12.1	12.7	12.5	11.6		<del>-</del> 0.	12.2	12.7	11.4	6 6	10.8	6.9	12.4	11.7	12.4	13.9	12.1	13.7	13.5
236	7	ı	12.1	12.7	12.5	11.6	11.5	1.0	12.2	12.7	11.4	6. 6.	10.8	<b>8</b>	12.4	11.7	12.4	13.9	12.1	13.7	13.5
237	7	u.	12.1	12.7	12.5	11.6	1.5	0.	12.2	12.7	4.1	ණ ග	8 0	6.8	-		1	1	1	1	   
238	7	ıL	!	1	1	1 1	1	1 1	!	!	1	} ; !	:	1	1	1	<u> </u>	1	:	1	1
239	7	Ŀ	13.6	13.8	15.6	13.9	11.6	12.4	12.4	11.8	11.7	12.9	12.6	13.9	12.8	12.5	12.3	13.9	13.8	13.6	9.11
240	7	u.	13.6	13.8	15.6	13.9	11.6	12.4	12.4	-8	11.7	12.9	12.6	13.9	12.8	12.5	12.3	13.9	13.8	13.6	11.6

Table VI.3 (continued)

IWENTY FOUR MONIH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF
HEXAHYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

_										•		i									
 z (										-	TEST WE	VEEK									
	)	89	70	72	74	92	78	80	82	84	98	88	06	92	94	96	86	100	102	104	
41	! ! }		: <del>-</del>	13.9	ι .	10.6	13.0	13.6	11.0	11.6	13.9	11.9	13.9	14.2	11.4	10.5	7.7	12.4	15.6	14.4	
		11.8	13.	13.9	12.3	10.6	13.0	13.6	11.0	11.6	13.9	11.9	13.9	14.2	11.4	10.5	7.7	1	1 1	;	
		ŧ	1	1	-1	1	1	1	1	! !	! } 1	} ! !	;	;	1	1	1	1	;	1,1	
		•	14	14.2	•	11.6	12.5	14.2	13.2	13.9	13.4	14.9	14.6	14.8	15.4	15.3	14.9	15.3	15.5	15.7	
			14	14.2	•	11.6	12.5	14.2	13.2	1 1	ı	1	! !	;  -	! !	1 1	1	1	1	1 1	
			4	14.2	•	11.6	12.5	14.2	13.2	13.9	13.4	14.9	14.6	14.8	15.4	15.3	14.9	15.3	15.5	15.7	
			<del>,</del>	11.8		12.2	13.4	12.5	12.7	12.7	12.9	12.9	13.1	13.7	12.5	12.8	13.0	12.9	13.3	13.6	
		1		{	1	1	;	1	t 1 f	1 (	:	1	1	;	1	1	 	1	1	1	
		•	13.	1.8	12.1	12.2	13.4	12.5	12.7	12.7	12.9	12.9	13.1	13.7	12.5	12.8	13.0	12.9	13.3	13.6	
		•	13.	12.3	•	10.7	11.6	12.1	11.6	11.2	10.6	10.0	13.2	12.5	9.	12.4	1.6	12.3	£.	10.5	
		,	₽	12.3	•	10.7	11.6	12.1	9.11	11.2	10.6	10.0	13.2	12.5	11.6	12.4	11.6	12.3	11.3	10.5	
			<del>.</del> 6	12.3	11.6	10.7	11.6	12.1	11.6	11.2	10.6	10.0	13.2	12.5	9.11	12.4	1.6	12.3	11.3	10.5	
		•	12.	7.5	11.4	6 9	1.0	10.9	1.5	<del>-</del> .	11.7	12.5	13.7	14.4	13.4	13.0	14.1	13.3	14.	12.1	
			12	12.5		9.3	11.0	10.9	11.5	-1.1	f 1 1	1	! !	;	!	1	   	1	1	1	
			12	12.5		9.3	1.0	10.9	11.5		11.7	12.5	13.7	14.4	13.4	13.0	14.1	13.3	14.	12.1	
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6			13	12.5		11.6	12.4	13.9	13.1	12.9	14.4	13.5	14.1	13.7	13.2	12.5	14.1	13.1	13.6	13.4	
0		13.9	13.	12.5	•	11.6	12.4	13.9	13.1	12.9	14.4	13.5	14.1	13.7	13.2	12.5	14.1	13.1	13.6	13.4	
_		1	1	1	1	1	1	1	1 1	1 1	1		1	1		1	1	1	;	 	
2		•	14	14.0		11.8	13.5	13.9	13.9	13.0	13.2	13.8	14.9	15.0	13.4	13.8	13.2	13.1	10.0	7.8	
e		•	4	14.0	•	11.8	13.5	13.9	13.9	13.0	13.2	13.8	14.9	15.0	43.4	13.8	13.2	13.1	10.0	7.8	
		14.5	_	14.0	12.4	11.8	13.5	13.9	13.9	13.0	13.2	13.8	14.9	15.0	13.4	13.8	13.2	13.1	10.0	7.8	
D.		•	14	13.3	•	12.4	13.4	14.6	13.9	13.8	13.1	14.7	13.8	12.9	14.8	15.1	13.6	14.8	14.5	13.0	
9			7	13.3	•	12.4	13.4	14.6	13.9	13.8	13.1	14.7	13.8	12.9	14.8	15. 1	13.6	14.8	14.5	13.0	
7		4	1	!	1	1	1	1	1	1	f 	!	1		1 1	1 4 1	! !	1	ļ	1	
<b>6</b> 0			13	13.4	•	13.1	13.2	14.4	13.5	12.2	12.7	5	13.6	13.0	- =	9.	<del>-</del>	8.9	8.7	13.4	
6			<del>1</del> 3	13.4	•	13.1	13.2	14.4	13.5	12.2	12.7	5.5	13.6	13.0	<del>-</del> -	9.1	9 . +	8.9	8.7	1 1	
0		J. 88	;	;	-	1	!	! ! !	! !	1 1	f 1	} 	1 1	1	1 1 1	1	1	1	!	! !	
			_	12.4		11.6	12.6	13.1	12.7	12.1	12.3	12.1	13.1	13.0	12.6	12.2	12.8	12.7	12.9	12.3	
		12.1	<del>1</del>	12.4	•	11.6	12.6	13.1	12.7	12.1	12.3	12.1	13.1	13.0	12.6	12.2	12.8	12.7	12.9	12.3	
		12.1	<del>.</del>	12.4		11.6	12.6	13.1	12.7	12.1	12.3	12.1	13.1	13.0	12.6	12.2	12.8	12.7	12.9	12.3	
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			1	<i>!</i>	1	1	111		1 1	1 2 1	t 1	!!	1	1 1 1	! !	1	 	1	 	 	
			1	1	1 1	1	1	1	1	1	1	1 1 1	i I F	;	 	-	1 [ }	1	1	l J	
		15.4	_	15.1		٠	13.6	5.0	13.7	13.4	12.9	13.3	14.1	14.3	13.0	13.3	15.9	13.7	15.0	15.0	
			1	1	1	!	1 3 1	!	1	}-	† !	1 [	1	1 1	l l	1 1	1 1	!	!	1 1	
		;		)   		\$	1	1 1	1	1	1	1	1	1	I I	1	1 1	[ 	1	1 1	
		12.0	12	13.1		•	11.9	13	11.6	12.3	12.4	11.5	13.4	44.0	13.2	13.3	13.2	12.3	9.0	7.4	

Table VI.3 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF
HEXAHYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

**4 Z H ≵ 4 J** 

	υαc									Ξ.	TEST WEEK	¥								
	. m ×	89	70	72	74	92	78	80	82	84		80			94	96	86	100	102	104
281	1	12.0	12.6	13.1	11.9	11.9	11.9	1	f 1	1	[	i i	13.4	14.0	13.2	13.3	13.2	12.3	10.6	7.4
		1 1	1 !	f + 1 1 - 1	1 (	1	1 1										1 .	1 0	1 6	;
		12.0	12.3	5.0	ر . ب .	5. 4.	12.6										4.5	12.3	12.5	0 c
		12.0	2 C	n σ		4 4	9 9										4.4	12.3	12.5	0 0 4 4
		12.9	. 5 . 6	9.	1.5	5.5	4.1										12.2	11.7	12.5	12.4
	- E	12.9	12.3	11.6	11.5	1.5	4										12.2	11.7	12.5	12.4
	2 F	12.9	12.3	11.6	1.5	11.5	11.4										12.2	11.7	12.5	12.4
	ω. π. n	<u> </u>	2. c	9 4	E =	 	5. 5 6. 6										12.9 0.0	ا ان ان ان	4.6	0.0
		7:77	1 1	9 1	0 1	. !	5 1										. !	2 1	; ;	2 ;
	. L	11.3	1.8	11.9	11.0	0.1	11.4										11.5	12.6	14.0	12.7
	2 F	11.3	11.8	11.9	11.0	0.11	11.4										!	) 1 1	1	1 - 1
	2 F	11.3	11.8	11.9	1.0	0.1	11.4										11.5	12.6	4.0	12.7
	2 F	12.0	13.2	12.5	9.6	£ .	11.4										12.8	17.5	10.8	1 (
	2	12.0	13.2	12.5	9.6	e -	4										12.8	 	<b>8</b> .0	13.3
		12.0	13.2	12.5	9.	e (	4 (										8.7	 	2 · 3	n 0
		0.81	ان ان	4	ດ ເ	0	2										n :	13.1		D 1
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	_	18.4	19.0	18.6	17.6	9 91	16.0										16.6	15.9	11.0	10.7
	_	1	1	1	1	1	 										1	; i	i i	1 1
	_	16.6	16.6	16.2	14.5	14.9	13.5										16.1	15.4	11.7	6.3
		1 (	1 4	1 9	1 1	! :	L	•									1	] 		1   1
		9.91	0 ! !	7.0	. i	7 · ·	5.5											       	1 1	
		17.4	17.9	16.9	16.6	15.5	14.6										10.6	6.9	15.4	16.1
	_	17.4	17.9	16.9	16.6	15.5	14.6										10.6	6.9	!	!
		1 6		1 4	! 6	;	;										1 6	1 (		!
		20.8	20.7	7.0	6.02 0.02 0.02	 6 0	0. 0 0. 0										76.3 11.1	9./1	· · / -	     
		20.72	12.0	. c	12.5	ה	. t										14 1	13.3	5.8	13.8
	_	17.8	17.9	18.0	17.7	. E	15.6										4	13.3	15.8	13.8
	_	1	1	1	!	!	1										1	1	1	!
		!	1 1	!	! !	!	!										l	! ! ! !	4 1 1 1 1 1	1       1
	_	19 4	19 4	19 4	5 6	17 9	18 4										17.0	18.4	13.4	6.4
	E E	17.3	17.2	16.2	16.4	15.2	1.6.	5.4	15.2	8.4	14.7	2.4					8.2	12.4	12.0	14.7
	_	17.3	17.2	16.2	16.4	15.2	14.3										8.2	12.4	12.0	14.7

Table VI.3 (continued)

Twenty four month chronic toxicity/carcinogenicity study of Hexahydro-1.3.5-trinitro-1.3.5-triazine(rdx) in the fischer rat individual food consumption measurements (g/day)

	104																																								
	102	12.0	-	16.3	!	12.9	12.9	12.9	1	!	1	16.5	16.5	1	17.9	1	1	-	10.3	10.3	17.7	1	1	1	17.6		18.3	18.3	1	1	! ! !	1		18.4	( ( )	17.6	1	-	17.4	-	!
	8	12.4	1	16.7		13.8	13.8	13.8	1	1	1	17.2	17.2	1	17.4	{	f f l	-	13.6	13.6	18.3	1	-	1	17.9	1	<b>8</b>	18.0	 		4	! } !	;	2	15.	6.9	! !	-	9.8	1 1	! !
	98	8.2	i j	17.6	1 1 1	15.0	15.0	15.0	1		1	16.5	16.5	1	<b>18</b>	1	1	1	12.6	12.6	16.9	1	-	1	14.6	]  -  -	6.9	6.9	! !		D)	1	[ ]	12.9	12.9	0.9	1	: !	15.7	t 	! !
	96	14.7	1	16.6	1	14.5	14.5	14.5	1 1	1	1	16.7	16.7	i i	15.9	!	1	1	14.	14.1	17.6	! ! !	t   	1	7.2	7.2	6.9	6.9	t 1	1 0	9.5	1		4.3	4.3	<b>0</b>	1	80	4.2	;	12.4
	94	14.3	1 1	16.4	!	15.2	15.2	15.2	1	1	1	17.2	17.2	1	14.7	!	1 1	1	15.1	15.1	17.1	1	  -  -	1	12.9	12.9	17.8	17.8	! !	: t	7.6	•		9.6	15.6	11.7	1 !	11.7	16.2	1	16.2
	92	15.3																																							
	90	9																																							
¥	88	14.2 1																																							
3	86	14.7 1																																							
7.5	84 8																																								
	1	2 14.8																																							
	82	4 15.2																																							
	80	15.4																																							
	78	14.3	;	16.6	16.6	44	14.3	4.3	<b>8</b> 9	-	1	19	16.1	-	15.7	į	1	14.5	14.5	14.5	17.3	1	-	15.0	15.0	15.0	18	18.2	1		9.	1 4	7.7	14.2	14.2	9	1	9	17.0	1	17.0
	76	15.2	1	17.0		•	•		•	1	ı	16.9	٠	ı		ı	1		•	14.7		1	1	15.7	•	•	•	•	1			i			•	16.1	1		•	1	16.4
	74	16.4	1	17.7		•		16.5	1.6	1	!	16.7	16.7	) † 1	20.7	!	1		•	16.9	•	<b>J</b>	1	16.1	16.1	•	6.9	16.9	1	ı	20.0	ı		17.4	•	17.1		17.1	٠. -	5.	15.1
	72	16.2	1	18.2		٠	•		•	1 1	1	17.6	•	1	19.3	!	1	15.8		15.8	•	t 1	•	16.3	٠	٠		17.4	4	1	٠.	1	•	٠	٠	17.0	ſ	•	•	٠	•
	20	17.2	1 1	18.4	18.4	•	•		19.9	1 f 1	! !	19.4	19.4	1	20.3	!	1	•		16.8		1	:	•		•		17.5		ı	21.4	,	٠	•	•	17.6	J	٠	0.9	٠	•
	68	17.3	1	19.0	•	٠		16.5		1 1	!	18.4	٦.	-	21.1	1	1	٠	•	•	15.9	1	15.9	٠	16.4	٠	•	13.2	٠	1	•	1	0 (	٠	٠	<b>8</b> .0	1	180	17.0	17.0	
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ה א ה ס א פ	1	<b>Ξ</b>											-				-																		_	_		_			_
4 J Z O	1	21	22	23	24	25	56	27	28	29	30	31	32	33	34	35	36	37	38	39	<b>6</b>	4	42	43	44	45	46	47		D (	٠ د د		27	53		55	26	27	28		09

Table VI.3 (containued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
HEXAHYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (9/day)

		04	1	9.9		ر ا د ا	! ! ! !	1 (1	0	! !	f !	<b>1</b>	1 1		í 1	1	<b>8</b> .0	2.9	2.9	f 1	í !	Э. Т	Э. Т.	2.1	!	2.1	! !	f 1 1	# 1 1	3.7	3.7	f I	<b>!</b>	1		4.	9.4	9.4	1.7		1.7	<b>6</b> .9
		102 1																																								
		100 10																																								
		1																																								
		98																																								
		96	į	55 6	: ;	-			9	,	:	1	: !	-	1	20.4	20.4	12.5	12.5	-	6.	9.6	6	12.4	ì	12.4	1	1	ì	12.8	12.8	:	1	1	14.	13.0	13.0	13.0		-	=	13.6
		94	1	15.3	1 6	2	( ) 	, ,	0	1 1 1	1			9	1	9.61	19.6	12.9	12.9	1	1.0	1.0	1.0	12.4	1	12.4	1	1	1 1	13.9	9.6	1	1	1	13.9	11.2	11.2	1.2	12.6	12.6	12.6	13.3
		92	;	15.6		0.7	!		-	1	1			17 0	1	19.5	19.5	13.6	13.6	1	<b>2</b>	<b>8</b> .	 8	13.1	1	13.1	i t	!	!!!	43.4	13.4	!	!	1	15.6	12.8	12.8	12.8	12.8	12.8	12.8	13.7
		96	1 3	15.4	1 9	4.0	1 I t	: .	n -	1	1 1 6	1	1 .	6.4		18.4	18.4	13.4	13.4		13.6	13.6	13.6	12.9	! !	12.9	1	1 1 1	! i	7	4.	; i	-	1 1	13.9	11.5	11.5	 .5	10.7	10.7	10.7	13.4
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	TEST WEEK	86																																								
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		78	13.4	13.4	1 1	20 -	!	1 0	) 0	,	1	1 .	4	11.4	1	15.7	15.7	12.8	12.8	1	12.1	12.1	12.1	12.6	1	12.6	1	7.6	1	4.4	4.4.4	1;	t 1	1 1 ;	13.9	12.0	12.0	12.0	12.3	12.3	12.3	12.4
		76		4.4																																						
		74	16.0	16.0	1 1	4.8	! !	; ;		1	  -  -	;	15.6	15.6	1	17.6	17.6	12.5	12.5	;	11.9	11.9	11.9	13.0	1 1	13.0	;	17.4	† 1	13.4	13.4	 	) 	1 1 1	14.4	13.1	13.1	13.1		_		12.9
		72	16.4	16.4		- 6	! !		2	1 6	1		9.9	9.9	!	17.3	7.3	12.6	12.6		13.2	13.2	13.2	12.9	1	12.9	1 1 1	9.2	i 	3.9	3.9	1 1	1	1 1	5.6	0.1	0.1	o. <del>-</del>	۳. تع	ر ت	ლ —	4.6
		70	7.1	7.1	'	4.	1 4																													8.0	8.0	8.0	12.0	0	2.0	5.6
		88	_	6 9 1		-																																	1.5			
		9 (	16	16	1	8	1	' 6	2	'	1	1	17	17	1	17	17	12	12	1	13	13	13	13	•	13	1	₽.	•	14	4	•	1	•	15	12	12	12	Ξ	Ξ	Ξ	o
	S F	י י י י	I	<b>T</b>	I :	Σ:	£ :	Σ:	Ε:	Ξ:	Œ :	Σ	Σ:	I	¥	Σ	Z	ų.	Ŀ	LL.	u.	Ŀ	Ŀ	LL.	u.	Ŀ	u.	ı.	u.	u.	ı	<b>L</b>	u.	L.	u.	u.	Ŀ	L.	u.	<b>L</b>	u.	ı
<u>ت</u> م	(0)	إه	၈	en i	ტ	ო ი	<b>7</b> ) (	ო (	n (	უ (	m (	m	n	က	ო	၉	၉	ო	ო	က	က	က	က	က	က	က	က	က	က	ო	က	က	က	e	က	က	6	<b>6</b>	က	(C)	ო	က
<b>L</b>	z	· · ·	361	362	363	364	263	366	795	368	369	370	371	372	373	374	375	316	377	378	379	380	381	382	383	384	382	386	387	388	389	390	391	392	393	394	395	396	397	398	399	8

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF

HEXAHYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

_	<b>.</b>																			
:										,		i								
z										-	TEST WEEK	¥								
<b>.</b>	) T	68	70	72	74	9/	78	80	82	84	86	88	06	92	94	96	86	8	102	104
401	-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1	1 1	1 1	1 1				1 1 1 1 1 1 1	!	!	; 	1		!	 		; ; ! ! ! ! ! !	; ; ; ; ; ;
405		9.6	15.6	14.6	12.9		12.4	12.9	13.1	12.1					13.3		14.2	12.3	1.5	14.9
403		•	•		•		11.9	12.2	11.4	12.5					11.7		11.7	5.9	11.4	12.2
404		13.0	13.4		•	1.3	11.9	12.2	11.4	1 1							1	-	!!!	1
405		٠	•		•	•	11.9	12.2	11.4	12.5					11.7		11.7	5. 9	1	
406			•				12.9	14.5	13.3	12.6					13.6		13.8	14.6	17.1	13.1
407			٠			•	12.9	14.5	13.3	12.6					13.6		13.8	14.6	17.1	13.1
408			- 1	1	ì	1	1	!	1	1					;		!	!	1	!
409		•	-	- 1			-	1	1 - 1	!					;		1	!		1 1
410		14.9	٠.	٠.	13.4	12.4	18.0			!					1		!	1 1	1	1
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413		13.4	13.3	13.7		12.0	12.6	43.4	13.1	12.9					13.6		13.9	14.6	14.4	14.1
414		1	1	1	1	ı	1	1	1 1	1					;		i i	! ! !		1
415			•		•		<del>1</del> .	12.9	12.6	12.0					12.5		12.4	12.9	1.0	13.3
416			•	•		•	11.8	12.9	12.6	12.0					12.5		12.4	12.9	1.0	13.3
417			٠	٠	12.1	•	11.8	12.9	12.6	12.0					12.5		12.4	12.9	11.0	13.3
418		1	1	1	1	t	 	1 1	1	!					1		! !	1	1	 
419			•	•	<del>-</del> 0.		0.	11.9	<del>1</del> 0.9	10.6					12.6		12.1	13.0	12.6	12.4
420		12.1	•	•	11.0	10.8	11.0	11.9	10.9	10.6					12.6		12.1	13.0	12.6	12.4
421					11.9		11.1	11.0	9.0	9.5					6.4		1	 	1	
422		<del>-</del> . <del>-</del> .			6.1		- -	0. E	0.6	9.5					6.4		7.2	14.6	14.6	16.7
423		<del>-</del>	٠					0.	0.6	9.5					6.4		7.2	 	1	1 1
424		13.1	•	•	11.2	٠.	4.4	12.7	12.4	4.0					12.7		12.7	12.9	9.6	11.6
425			٠		٠	٠.	4	12.7	12.4	4.0					12.7		12.7	6.5	13.6	11.6
426		<del>1</del> 3.4	٠	٠	•		4.4	12.7	12.4	4.0					12.7		12.7	12.9	9.6	9
427		1	1	Ł	 		) 1 ,		!	!					!!!		! !	! !	1	!
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4 2 4 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	. u	- 4 - 4	n =	. c			<u> </u>	7 <del>-</del>	2.5	5.7		12.9		5 to 5	- a	ر د د	5.5	5. C	ה	1 2
431			•		•	•	10.0		4	2 -					α -		12.7	12	9 6	12.0
432			٠,	٠,	٠ 1	٠,	;   ;   ;	1							· !		1	1	1	1
433			•				11.8	13.7	12.4	11.4					12.2		11.6	14.2	14.3	11.5
434		- 1	1	- 1	- 1	- 1	) ! }	;	1 1	!					1		1	1		!!!
435		13.9					11.8	13.7	12.4	11.1					12.2		11.6	14.2	14.3	11.5
436			٠		•		12.0	13.8	14.3	12.6					12.7		13.6	13.9	13.9	11.6
437		1		1		ι	! !	1	1	1					1		! !	} 	 	1
438	_		•	•	12.3	1.6	12.0	13.8	14.3	12.6					12.7		13.6	<del>1</del> 3	9.6	11.6
439	_		•		6.	٠.	12.8	6.6	12.8	- -					3.0		12.9	<del>1</del> 3	12.3	13.9
440	_				9.1	-	12.8	13.9	12.8	1.					13.0		12.9	13.9	12.3	13.9

= NO AVAILABLE DATA

6.53 15.0 15.0 17.1 5.3 15.4 14.7 14.3 14.3 14.3 8.9 1 4 4 4 4 5 15 15 TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day) 13.8 9 ည်းကိ ဖြစ်စ (continued) 14.6  $\omega$ ယ္ထေထ លល 4 4 C 16999 | 0444 | 00000 4==! 12 = 15 5 5 7 57 15.7 14.3 14.0 15.6 0099 ø တထင 2 = 2 1 6 5 5 5 5 5 Ĭζ. តិ ភិ 10000 0 -0 0 0 010,000 16. 17. 0.000 0.000 0.000 Table VI.3 6.9 16.9 19.8 19.8 စစေဖ 16.5 ខាលខាល 9 4000 16.1 099 សស 4 ထားမဟမ i ဖွ<u>ှဖွ</u>ွှေဖွေ 7 7 **8000** 6 900 660 10-ត ភ ភ ភ 9 5 2 2 2 912 ក្រស ் தை ஒ 9 2 2 5 2224 თ 6 9 9999 9 8 8 9 9 7 6 10000 17.8 16.9 12771 7 6 9 6 6 9 7 6 0.0000 0 0 0 0 9 9 6 17 18.4 19.7 4440 0 7 7 7  $\boldsymbol{\alpha} \boldsymbol{\alpha} \boldsymbol{\alpha} \boldsymbol{\omega} \boldsymbol{\omega} \boldsymbol{\omega}$ 6 13. 10.77 999 7777 7 \_ 77 2 Z O

14.4 14.4 18.7 13.5 13.5 13.5

16.0

0.8

9.71 11.8 16.2 16.2 16.2 16.7 16.7 13.8 13.8 17.3 9.9 14.3 Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day) 7.4 15.1 15.1 16.8 16.8 6.6. 6.6. 6.7. 000000001180000717 1 4 4 1 8 8 4 4 1 8 1 8 1 1 1 1 9 1000 7.6 6.7 7.8 7.7 8.7 19.6 19.6 15.5 15.5 15.5 17.7 17.7 10.0 19.0  $\infty \infty$ 17.1 18.1 17.8 17.8 17.8 17.8 88 66 7 12.9 21.7 60000 

9.99

16.5

--- = NO AVAILABLE DATA

TEST WEEK  6 19 9 18 1 18 4 17.4 17.3 17.1 18 4 14.1 11.1 18 6 15.2 14.6 14.3 14.7 15.3 15.2 14.0 15.0 14.9 14 15.1 15.2 14.0 15.0 14.9 14 15.3 15.0 15.0 14.9 14.0 15.0 14.9 14.0 15.0 14.9 14.0 15.0 14.9 14.0 15.0 14.9 14.0 15.0 14.9 14.0 15.0 14.9 14.0 15.0 14.9 14.0 15.0 14.9 14.0 15.0 14.9 14.0 15.0 14.9 14.0 15.0 14.9 14.0 15.0 14.9 14.0 15.0 14.9 14.0 15.0 14.9 14.0 15.0 14.0 15.0 14.0 15.0 14.0 15.0 14.0 15.0 14.0 15.0 14.0 15.0 14.0 15.0 14.0 15.0 14.0 15.0 14.0 15.0 14.0 15.0 15.0 14.0 15.0 14.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15						<u>i</u>	TWENTY HEXAHYDRO	ITY FOUR MON DRO-1,3,5-T	<u>⊢</u> ∝	. F.	70 T	VI.3 ( TOXICITY/ 1,5-TRIAZI	(Continued) Y/CARCINOGENICITY ALARCHERDS) IN THE	nued)	S F I	STUDY OF ISCHER RA	ΑT						
TEST WEEK  19.6 20.1 18.4 19.0 18.3 18.6 19.9 18.1 18.4 17.4 17.3 17.1 18.4 14.1 11.1 11.1 11.1 11.1 11.1 11	<b>4 Z → Σ 4</b> .	⊢α ¢													i								
68         70         72         74         76         78         80         82         84         86         89         90         92         94         96           88         70         18         4         76         18         4         16         99         18         16         18         4         16         16         18         16         18         4         16         16         18         16         18         16         16         18         16         18         16         16         18         16         18         16	. z	2 ac o :	ν.										ST	ĒĒK									
10   10   10   10   10   10   10   10	<b>.</b>	ء د ا	×	68	70	72		76	78	80			86	88	06	92	94	96	86		100	- !	100 102
10.6   20.1   10.4   10.0   10.3   16.6   10.5   10.4   17.4   17.3   17.1   10.4   14.1   17.3   17.1   10.4   14.1   17.1	521	4	1 1 2 2	19.6	20.1	18.4	19.0		16.6	19	-	18.4	17.4	17.3	17.1		14.1	11.1					
10	522	4	Z:	19.6	20.1	18.4	19.0		16.6	6	<b>6</b>	48			17.1						19.7	٠.	٠.
6         2         15         15         15         16         15         14         15         16         15         14         15         16         15         14         15         16         15         16         17         17 <th>523</th> <td><del>e</del> 4</td> <td>¥ 3</td> <td>16.2</td> <td>15 9 9 9</td> <td>14.7</td> <td>ช ช ช ช</td> <td></td> <td>4 4 6 6</td> <td><del>ເ</del></td> <td>ប្រភ</td> <td>4 4</td> <td></td> <td></td> <td>15.0</td> <td></td> <td></td> <td></td> <td>2 4 2 0</td> <td></td> <td>14.7</td> <td>7 7</td> <td>7 7</td>	523	<del>e</del> 4	¥ 3	16.2	15 9 9 9	14.7	ช ช ช ช		4 4 6 6	<del>ເ</del>	ប្រភ	4 4			15.0				2 4 2 0		14.7	7 7	7 7
4         F         15.2         13.9         13.4         11.9         11.8         12.4         13.5         12.5         11.8         11.7         12.6         12.2         13.7         14.1         13.7         14.1         13.7         14.1         13.7         14.1         13.7         12.7         12.2         13.7         14.1         13.7         12.7         12.6         12.2         13.7         14.1         13.7         12.7         11.6         10.9         13.9<	525	4	<b>.</b>	16.2	15.9	14.7	15.4		14.6		. <del>.</del>	4			15.3				14.9		14.7	7 14	7 14
4         F         15.2         13.9         13.4         11.8         12.4         11.5         10.8         7.9         8.1         9.2         9.9         12.0         13.0         10.0	526	7	<b>LL</b>	15.2	13.9	13.4	11.9		12.4	13	12	=	11.7		12.2				12.7		13.0	.0 13	.0 13
12.2   13.5	527	4	iL i	0	1 6	1 1	1	;	1	' '	١,	١;	! :	1 4	1 0				1 6		1 0	: :	: :
4         F         12.3         13.6         11.5         10.9         10.0         10.6         12.4         11.5         10.8         7.9         8         1         9.2         9.9         12.9         13.0         13.3         13.5         13.6         13.6         13.9         13.0         13.6         13.9         13.0         13.6         13.9         13.9         13.9         13.9         13.0         13.6         13.9         13.0	528	<del>7</del> 4	<u></u>	15.2	6. c	4 R		<b>2</b> C	4.21		7		· 6	9 4	7.6	- თ უ თ			12./			 - - - -	5   5   7
F         12.3         13.6         11.5         10.9         10.0         10.6         12.4         11.5         10.8         7.9         8.1         9.2         9.9         12.9         13.0         13.5         13.5         13.5         13.5         13.5         13.6         13.7         13.7         11.5         12.0         13.0         13.1         13.6         14.3         13.0 </td <th>530</th> <td>4</td> <td></td> <td>12.3</td> <td>9 9</td> <td></td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td></td> <td>==</td> <td>2 9</td> <td>6.7</td> <td>- <del>-</del></td> <td>9 6</td> <td>່ຄ</td> <td>12.9</td> <td>13.0</td> <td>12.6</td> <td></td> <td>12.3</td> <td>.3 12</td> <td>.3 12</td>	530	4		12.3	9 9		0.0	0.0	0.0		==	2 9	6.7	- <del>-</del>	9 6	່ຄ	12.9	13.0	12.6		12.3	.3 12	.3 12
F         13.3         13.5         13.1         11.7         12.4         13.7         12.7         11.5         12.0         13.0         13.1         13.6         14.3         13.0         13.1         11.7         12.4         13.7         11.5         12.0         13.0         13.1         13.6         13.3         13.0         13.0         13.1         13.6         13.3         13.0         13.0         13.1         13.0         13.0         13.1         13.0         13.0         13.1         13.0         13	531	4	. u	12.3	13.6	. 5	6.0	0.0	10.6	1 2	Ξ	2 9	7.9	60	6	. ຄ ຄ	12.9	13.0	12.6		12.3	.3 12	.3 12
4         F         13.3         13.5<	533	4	u.	13.3	13.5	13.5	13.1	11.7	12.4	5	12	=	12.0	13.0	13.1	13.6	14.3	13.0	12.4		13.3	.3 +3	.3 +3
13.7         12.7         12.6         12.4         11.4         12.6         12.8         12.5         12.2         12.3         13.7         13.0         14.0         13.6         13.3           4         F         13.7         12.7         12.6         12.4         11.4         12.6         12.8         12.5         12.2         12.3         13.7         13.0         14.0         13.6         13.3           4         F         13.7         12.7         12.6         12.8         12.5         12.2         12.3         13.7         13.0         14.0         13.6         13.3           4         F         13.9         12.6         12.4         11.4         12.6         12.2         12.3         13.7         13.0         14.0         13.6         13.3           4         F         13.9         13.9         13.9         13.9         13.9         13.0         14.1         14.9         13.0           5         13.9         12.9         12.9         13.9         13.0         14.1         14.9         13.0           4         F         13.9         13.9         13.9         13.9         13.0         14.1         14.1 </td <th>533</th> <td>4 4</td> <td>u. u</td> <td>τ. ε. ε.</td> <td>13.5</td> <td>13.55 13.55</td> <td></td> <td>11.7</td> <td>4.2.4</td> <td>₽;</td> <td>5 5</td> <td>= :</td> <td>5.5 0.0</td> <td>0.0</td> <td><del>-</del> +</td> <td>13.6</td> <td>4. 4 6. 4</td> <td>0.0</td> <td>4.0</td> <td></td> <td></td> <td>6. 6. t</td> <td>13.3 13.1</td>	533	4 4	u. u	τ. ε. ε.	13.5	13.55 13.55		11.7	4.2.4	₽;	5 5	= :	5.5 0.0	0.0	<del>-</del> +	13.6	4. 4 6. 4	0.0	4.0			6. 6. t	13.3 13.1
4         F         13.7         12.7         12.6         12.4         11.4         12.6         12.8         12.5         12.2         12.3         13.7         13.0         14.0         13.6         13.3           4         F         13.7         12.7         12.6         12.4         11.4         12.6         12.8         12.5         12.2         12.3         13.7         13.0         14.0         13.6         13.3           4         F         15.1         14.3         12.6         12.4         12.9         13.9         13.0         12.1         13.9         13.0         14.1         14.9         13.0           4         F         13.9         13.9         13.0         12.1         11.4         11.4         12.5         13.1         11.4         11.6         17.6         13.0         14.1         14.9         13.0           4         F         13.9         13.9         13.9         13.9         13.9         13.0         14.1         14.9         13.0           4         F         13.9         13.9         13.9         13.9         13.9         13.9         13.9         13.9         13.9         13.9         13.9 </td <th>535</th> <td>1 4</td> <td></td> <td>13.7</td> <td>12.7</td> <td>12.6</td> <td>12.4</td> <td>4.</td> <td>12.6</td> <td>3 5</td> <td>2 2</td> <td>12</td> <td>12.3</td> <td>13.7</td> <td>13.0</td> <td>14.0</td> <td>13.6</td> <td>. E</td> <td>13.0</td> <td></td> <td>6.0</td> <td>0.0</td> <td>0.0</td>	535	1 4		13.7	12.7	12.6	12.4	4.	12.6	3 5	2 2	12	12.3	13.7	13.0	14.0	13.6	. E	13.0		6.0	0.0	0.0
4         F         13.7 · 12.7 · 12.6 · 12.4 · 11.4 · 12.6 · 12.8 · 12.5 · 12.2 · 12.3 · 13.7 · 13.0 · 14.0 · 13.6 · 13.3 · 13.0 · 14.1 · 14.0 · 13.8 · 12.8	536	4	·	13.7	12.7	12.6	12.4	11.4	12.6	12	12	12	12.3	13.7	13.0	14.0	13.6	13.3	13.0		14.0	.0 13	.0 13
4         F           4         F           4         F           4         F           4         F           4         F           4         F           4         F           5         1           4         F           5         1           4         F           6         1           7         1           8         1           8         1           9         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1	537	4	LL I	13.7	. 12.7	12.6	12.4	4.4	12.6	5	12	12	12.3	13.7	13.0	14.0	13.6	13.3	13.0		0.4	0.	0.
4         F           4         F           4         F           5.1         14.3           4         F           5.1         14.3           5.2         14.3           5.3         13.9           5.4         F           6         12.6           7         13.9           8         12.6           8         12.6           9         13.9           14.1         13.9           15.2         14.1           16.4         15.8           17.6         15.6           18.1         15.0           18.2         15.2           18.3         12.8           18.4         15.0           18.5         10.7           18.6         13.0           18.7         15.0           18.8         15.0           18.8         15.0           18.8         15.0           18.8         15.0           18.8         15.0           18.9         12.2           18.0         13.0           18.0         13.0	538	4 4	<u>.</u> u	; ;	 	! ! ! !		, ,		1 1	1 1	1 1	 	; ;	 	1 1	1 1	1 i	1       		     	!!	!!
4         F         15.1         14.3         12.6         12.4         12.9         13.9         13.0         14.1         14.9         13.0         14.1         14.9         13.0         14.1         14.9         13.0         14.1         14.9         13.0         14.1         14.9         13.0         14.1         14.9         13.0         14.1         14.9         13.0         14.1         14.9         13.0         14.1         14.9         13.0         14.1         14.9         13.0         14.1         14.9         13.0         14.1         14.9         13.0         14.1         14.9         13.0         14.1         14.9         13.0         14.1         14.9         13.0         14.1<	540	4	. 14	1	f	1	- 1	J	1	-	-	,		1	1		1	1	1		ŧ ŧ	1	
4         F         15.1         14.3         12.6         12.4         12.9         13.9         13.0         12.1         13.1         13.0         14.1         14.9         13.0         14.1         14.9         13.0         14.1         14.9         13.0         14.1         14.9         13.0         14.1         14.9         13.0         14.1         14.9         13.0         14.1         14.9         13.0         14.1         14.9         13.0         14.1         14.9         13.0         14.1         14.9         13.0         14.1         14.9         13.0         14.1         14.0         14.1         14.1         14.1         14.6         7.6         15.6         15.7         16.0         16.0         16.0         16.0         17.0 </td <th>541</th> <td>4</td> <td>u.</td> <td>1 1</td> <td>1 (</td> <td>1</td> <td>,</td> <td>I I</td> <td>- 1</td> <td></td> <td>١</td> <td>1</td> <td>!</td> <td>;</td> <td>1</td> <td>!</td> <td>t !</td> <td>1</td> <td>1</td> <td></td> <td>1</td> <td>,</td> <td>,</td>	541	4	u.	1 1	1 (	1	,	I I	- 1		١	1	!	;	1	!	t !	1	1		1	,	,
4         F         13.9         12.5         12.1         11.4         11.4         11.6         7.6         15.6         15.7         16.4         16.0           4         F         13.9         13.9         12.5         12.1         11.4         11.4         11.6         7.6         15.6         15.7         16.4         16.0           4         F         13.9         12.5         12.1         11.4         11.6         17.0         11.3         12.0         13.2         16.0         13.2         16.0         13.2         16.0         13.2         16.0         13.2         16.0         13.2         16.0         13.2         16.0         13.2         16.0         13.2         16.0         13.2         16.0         16.	542	4	<b>L</b>	15.1	14.3	12.6	12.6	5	•	٠	13	12	13.1	13.3	13.0	14.1	14.9	13.0	13.3		14.1	<u></u>	<u></u>
4         F         13.9         13.9         12.5         12.1         11.4         11.6         11.0         11.3         12.0         13.2         13.6         13.4         13.7           4         F         14.1         13.8         12.2         11.0         11.3         12.0         13.2         13.6         13.4         13.7           4         F         14.1         13.8         12.2         11.0         11.3         12.0         13.2         13.6         13.4         13.7           4         F         14.1         15.0         11.6         11.0         12.1         11.1         12.5         13.7         11.5         9.7           4         F         12.3         12.0         11.6         11.0         12.1         11.4         11.3         11.1         12.5         12.3         12.7         13.7 <t< td=""><th>543</th><td>4 4</td><td><b>L</b></td><td>1 1</td><td>                                     </td><td>1 1</td><td>          1</td><td>' '</td><td>1 1</td><td>1 1</td><td>1 1</td><td>1 1</td><td>  ;        </td><td>1 1</td><td>     </td><td>! ! ! !</td><td>!</td><td>           </td><td>†          </td><td></td><td>     </td><td>' '</td><td>' '</td></t<>	543	4 4	<b>L</b>	1 1		1 1	       1	' '	1 1	1 1	1 1	1 1	;     	1 1	 	! ! ! !	!	     	†       		 	' '	' '
4         F         13.9         13.9         12.5         12.1         11.4         11.4         11.4         11.4         11.4         11.4         11.4         11.4         11.4         11.6         7.6  <	545	4	. 14	13.9	13.9	12.5	12.1	Ī	11.4	12.5	13	=	11.6	7.6		15.7	16.4	16.0	14.7		15.3	17	17
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Table VI.3 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINDGENICITY STUDY OF
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

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Table VI.3 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

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Table VI.3 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGENICITY STUDY OF
HEXAHYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

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Table VI.3 (continued)

TWENTY FOUR MONIH CHRONIC TOXICITY/CARCINGENICITY STUDY OF
HEXAHYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

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80	15.9	12.9	14.9 14.9 14.9	2.6	4 4 6 6 6 1 6	6.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1
08	14.7	13.0	14.2 4.2 4.2	13.3	14.44 13.00 10.00	13.6 12.5 12.5 13.7 13.7 13.9
78	12.6	11.2	12.8 12.8 12.8	11.9 10.7 10.7	44.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4	11.77
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Table VI.3 (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF
HEXAHYORO-1.3.5-TRINITRO-1.3.5-TRIAZINE(ROX) IN THE FISCHER RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

	92 94 96 98 100 102 104	17.2 16.2 17.9 8.4	17.2 16.2 17.9 8.4 16.6	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	13.4 14.0 14.0 14.1 14.1		13.4 14.0 14.0 14.1 14.1		8.7 7.8	8.7 13.3 13.7 14.1 15.0	111111111111111111111111111111111111111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9.5 12.1 16.5 8.7 14.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9.5 12.1 16.5 8.7	12.7 12.4 12.4 13.5 14.0	12.7 12.4 12.4 13.5 14.0	12.7 12.4 12.4 13.5 14.0	14.7 16.1 12.9 11.6 14.7	1 1 1 1 1 1 1 1 1 1 1 1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.1 16.3 16.4 16.7 14.7	12.3 15.2 14.9 13.7 11.9		12.3 15.2 14.9 13.7 11.9		
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- = NO AVAILABLE DATA

Table VI.4a

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF

HEXAHYDRO 1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX) IN THE FISCHER RAT

INDIVIDUAL HEMATOLOGY VALUES - TEST WEEK 13

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Table VI.4a (continued)

\*\*INFINITY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY TUDY OF

\*\*HEYAHYDRO 1.3.5-TRINITRO-1.3.5-TRIN

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Table VI.4a (continued)

IWENIY FOUR MONTH CHRONIC TOXICITY/CARCINOGINICITY STUDY OF

HEXAHYDRO 1,3,5-TRINITRO-1,3,5-TRIACINE (RDX) IN THE FISCHER RAT

INDIVIDUAL HEMATOLOGY VALUES - TEST WEEK 13

Z 2 2 0 0 > 0 0 3 2 0 0	000000000000000000000000000000000000000
<b>m∢</b> vo %≇m∪	000000000000000000000000000000000000000
<b>₩</b> ዕຑ % <b>३</b> ૹ∪	00-0460-0 14008
<b>Σ</b> 0 <b>Ζ</b> % <b>3</b> ໝ∪	0-04800   0-0-280-
J≻Z %38U	867 79 75 79 75 79 81 88 80 80 80 80 80 80 80 80 80 80 80 80
S ZWD- %38U	E E E E E E E E E E E E E E E E E E E
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ευτ οσ	2000 2000 2000 2000 2000 2000 2000 200
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IO 80 51 - 5 -	2.7.7.2 2.7.7.3 8.8.7.7.7 1.7.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1
Συ⊢ ⊱ααυ	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
v. m ×	   <b>22222222</b> 
⊢α υα <b>ο</b> ⊐α	
42 <b>-5</b> 4- 20 ·	615 610 630 630 634 646 644 655 656 677 700 710 710 710 710 710 710

Table VI.4b

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF
HEXAHYDRO-1.3.5-TRINITRO-1.3.5-TRIAZINH (RUX) IN THE FISCHER RAT
INDIVIDUAL HEMATOLOGY VALUES - TEST WEEK 25

Ζαωυ ∖+00 ₃ωυ	000000000000000000000000000000000000000	0000
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_>∑ %≥œ∪	0 4 7 7 8 8 8 8 7 8 7 8 7 8 8 8 8 7 8 7 8	83 76 80 89
¥ Zw⊃⊢ %3w∪	100 00 00 00 00 00 00 00 00 00 00 00 00	23 19 11
~¥ Z₩D⊢ %¥₩U	000000000000000000000000000000000000000	0000
× -0° ∕ E E	580 5537 4430 4430 4430 4430 4430 5530 646 646 646 648 8874 450 655 656 656 656 652 656 652 652 652 652	972 580 650 396
3 m ∪ × +0	FFF-80-000400000000000000000000000000000	
rω∪ x −o° \EE°	88 99 99 99 99 99 99 99 99 99 99 99 99 9	4400
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	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0200
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Table VI.4b (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
HEXAHYDRO 1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAI
INDIVIDUAL HEMATOLOGY VALUES - TEST WEEK 26

Z & M U V ~ 0 0 3 M U	000000000000000000000000000000000000000
<b>a∢∨o %≥a</b> o	000000000000000000000000000000000000000
<b>⊞</b> □∨ % <b>≥</b> ⊞∪	-000000000N-0000+0-000NmN0-0m0,00-
ΣCZ %3α∪	0000000-0-00000000-0-0000000-0-0-0-0
J > ₹ % 3 C U	860 860 877 747 747 749 860 860 861 860 861 861 861 862 863 864 865 865 865 865 865 865 865 865 865 865
Z ZWJH %380	22 22 23 25 25 25 25 25 25 25 25 25 25 25 25 25
	000000000000000000000000000000000000000
2 d J ⊢ X ← O € ✓ € E	5272 5372 5372 6332 6332 6332 6332 6332 6332 6332 6
# X C X C S E	COLUCTO   COCCUTT   COCC
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EUIU 5\\ 0-	23.90.0 23.
<b>≥</b> ○	100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
E U > 5 E	######################################
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	11111111111111111111111111111111111111

Table VI.4b (continued)

rwenty four month chronic toxicity/carcinogenicity fluny of
Hexahrord-1,3,5-Trinitro-1,3,5-Triazine(RDX) in the Fischer Rat
Individual Hematology Values - Test week 26

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	ш	٥	S	%	3	80	ပ	0	0	0	0	0	0	0	c	0	0	-	-	-	-	0	0	0	-	0	٥:
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	ب.	<b>&gt;</b>	Σ	7	3	83	ပ	87	8.1	7.8	7.7	82	80	88	88	75	9/	986	87	8.1	7.7	8.7	88	82	78	75	85
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- ₹	ZΨ	) )	-	%	3	മ	U	0	0	0	0	0	0	0	0	0	0	С	0	0	0	0	0	0	0	0	-
٦ ۲	×	-	03	`	Ε	E	3	930	648	1302	804	106	478	763	712	206	1106	780	999	099	528	477	504	788	808	642	530
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<b>℃</b> ℃ ∪	×	-	90	`	Ε	E	7	8.79	•	5.65	•														•		
	<b>Σ</b> U	·I	U	ō	_	ס	-	36.8		34.0																	
			ΣŲ	I		ā	6	17.0	20.0	20.0	20.4	20.5	19.4	20.4	18.9	18.9	17.8	21.1	_	-		_	21.5	_	_	_	
		Σ	υ <b>&gt;</b>		5	±	•	16.1.	61,	<b>28</b>	48	52	48	49	48	52	4.1	54	5.1	5.4	55	75	54	54	52	54	t'u
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<	z <b>-</b>	• 3	⋖ _	J	z	0	٠	610	615	620	630	634	646	647	652	929	674	685	688	707	7 10	721	726	735	740	743	748

= NO AVAILABLE DATA

Table VI.4C

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF

HEXAHYDRO 1.3.5 IRINITRO 1.3.5 TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL HEMATOLOGY VALUES - TEST WEEK 52

Z & M ∪ - 00 > M ∪	; -0-0-000000000-0-m-m00000000000000
nek onem	000000000000000000000000000000000000000
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J≻ <b>3</b> %3€00	7. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
¥ Zш⊃⊢ %≥m∪	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
E ZWS- %3mU	000000000000000000000000000000000000000
0	7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
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000 x -0 \ E E	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
ZUIU M/P-	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
<u>.</u> <b>.</b>	22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
<b>∑</b> ∪> 3 €	44 44 44 44 44 60 00 00 00 00 00 00 00 00 00 00 00 00
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<b>⊢α</b> ଓଷ୍ଠରୁଦ	
< Z - <b>X</b> < _ Z C	

Table VI.4c (continued)

Twenty four month chronic toxicity/carcinggenicity study of hexallor 1.3.5 trinitro-1.3.5-triazine(rdx) in the fischer rat individual hematology values - test week 52

Zαωυ \-00 ≥ωυ	
m < vo %≥m∪	000000000000000000000000000000000000000
m D N *≯ B U	004-00-00-00-000040-0000000000000000
SOS KBBC	0000000+000000-0000-000400000-00+0000
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< Z - E < _ 2 C	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4

Table VI.4c (continued)

IMENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
HEXALLURU 1.3.5-IRINITRO 1.3.5 IRIAZINETROX) IN THE FISCHER RATION INDIVIDUAL HEMATOLOGY VALUES - TEST WEEK 52

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Table VI.4d

IWENIY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF

HEXAHYDRO: 1,3,5-FRINITRO: 1,3,5-FRIAZINE (PDX.) IN THE FISCHER RAT

INDIVIDUAL HEMATOLOGY VALUES: - TEST WEEK 78

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Table VI.4d (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF

HEXAHYDRO-1,3,5-TRINITRO-

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Table VI.4d (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGENICITY STUDY OF

HEXAHYDRO 1.3.5-TRINITRO-1.3.5-TRIAZINF(RDX) IN THE FISCHER RAT

INDIVIDUAL HEMATOLOGY VALUES - TEST WEEK 78

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Table VI.4e (continued)

Twenty four month chronic toxicity/carcinogenicity study of hexahydro-1,3,5-trinitro-1,3,5-triazine(rdx) in the fischer rat individual hematology values - test week 104

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Table VI.4e (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGENICITY STUDY OF
HEXABERRO 1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL HEMATOLOGY VALUES - TEST WEEK 104

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Table VI.5a iic toxicity/carcinogenicity 1,3,5-TRIAZINE(RDX) IN THE CHEMISTRY VALUES - TEST WEE		C	: ∢	_	:	£	<b>5</b> 1\	٥.	-		5.0	2.5	2.5	9.	0.1	<del>د</del> .	<u>د</u> .	4			0.0	N 6	2.2		•	<del>-</del>			8.0	, C	5.6	•	2.0		2.2	•	2.0	8 6	2.5		2.6 2.6	! !
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IMERITY FOUR MONTH CHRONIC TOXICITY/CARCINGENICITY STUDY OF

\*ANY DRU 1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL CLINICAL CHEMISTRY VALUES - TEST WEEK 13 2 0 5 FO000000-0F0-000F004-000000-0+00-00400 E 0 > 0 -04444044-04-14440-441-4-00-44-40-00-04-655 658 888 881 881 881 90 90 90 108 108 **4** -- 100 \ D -127 - α **-** υ · to -azz ZC

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Table VI.5a (continued)

IWFNITY FOUR MONTH CHRONIC TOXICITY/CARCINGENICITY STUDY OF
HEXANYORO: 1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL CLINICAL CHEMISTRY VALUES - TEST WEEK 13

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Table VI,5b

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF

HEXAHYORO 1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT

(NDIVIDUAL CLINICAL CHEMISTRY VALUES - 1FST WEEK 26

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.5b (continued) oxicity/carcinogeni 5-TRIAZINE(ROX) IN		ပ	⋖.	ب	E	ים	<b>\</b> 1	<del>-</del>	9.4	10.5	10.2	- 0			٠.		2 6				9.6	0 0					y &	10.4			) ¢	-		•	ω • σ (	9.0		0.5	٠.	9 o	10.0
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Table VI.5b (continued)

IMIMIY FOUR MONTH CHRONIC TOXICITY/CARCINGENICITY STUDY OF

HEXAHLURO 1,3,5 TRINITRO-1,3,5 TRIAZINE(ROX) IN THE FISCHER RAT

INDIVIDUAL CLINICAL CHEMISTRY VALUES - TEST WEEK 26

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Table VI.5c

IMENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICETY STUDY OF

HEXALIYDRO 1,3,5-TRINITRO 1,3,5 TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL CLINICAL CHEMISTRY VALUES - TEST WEEK 52

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Table VI.5c (continued)

IMENTY FOUR MONTH CHRONIC TOXICITY/CARCINGENICITY STUDY OF

HEXAL/DPO 1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL CLINICAL CHEMISTRY VALUES - TEST WEEK 52

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-d/93 r-8 D	000 000 000 000 000 000 000 000 000 00
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-/c= IOL				
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- d / gg G - A -	163 163 257 124 146 156 156 176	52 67 67 67 67 67 67 67 67	176 152 166 102 170 170 170 170 170 181 185 185 185 185 186 186 187 187 187 187 187 187 187 187 187 187	131 169 140 210 64
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00R 1.3. /IDUA	⊢ ¢ α O α ∕ b −		6 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	•	, , , , , , , , , , , , , , , , , , ,	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
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Table VI.5d (continued)

Twenty four month chronic Toxicity/Carcingenicity Study of
Hexahydro-1,3,5-trinitro-1,3,5-triazine(rdx) in the Fischer Rat
Individual clinical chemistry values - Test week 78

BOC6/87	
- <i>6</i> /6 BOF6	- m m 4 4 4 - m 0 m m 0 0 m m 0 0 0 0 0 0 0 0
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-/c= IOC	
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0 B-1 ED/0-	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
OIOJ ED~D-	233 243 253 253 253 253 253 253 253 253 253 25
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- aao 5\0-	6 6 6 6 6 6 6 6 6 6 7 7 7 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
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\* NO AVAILABLE DATA

Table VI.5e

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGENICITY STUDY OF

HEXAHYDRO 1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL CLINICAL CHEMISTRY VALUES - TEST WEEK 104

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- ES1		80	_	ب	ļ	E	<b>5</b> 1\	_ 1	o -	0.24																						0.35											•		0.25
VALUES		œ	-	_	i	E	<b>5</b> 1	_ 1	o –	0.07	0.11	90.0	0.1	0.07	5		60.0	0.07	0.0	90.0	0.05	0.07	90.0	0.05	0.07	0.0	0.0	60.0	0.09	0.10	90.0	0.0		90.0	90.0	t 1 1	90.0	0.04	0.05	0.07	0.10	0.07	0 0 0 0 0 0	200	80.0
CHEMISTRY	Ü	I	0	ب	1	E	<b>5</b> 1/	_ 1	o -	106																											163	131	143	132	150	147	143	7 6	148
_			⋖	ا ئــ	20		<b>5</b> 0^	\ 1	b -	1 .						- u	9 6	<b>6</b> 0	4.7	4.4	4.7	4.4	4.7	4.7	9.4	4.0	, 7	. B	න ල	3.6	9. 100	တ (၁)	- G	<b>8</b> .	4	-	f I	4.6	<b>4</b> .8	4.4	S.0	ر ا ا	ان 4 د	4 n	. 4 . ro
DIVIDUAL CLINICAL	<b>-</b>		۵	œ	0		<b>5</b> 1~	_ 1	b <b>-</b>	6.4	9	6.7	හ ල	(O)	ה ה	9 C	9 10	6	6.7				•		7.7		- <del>-</del>	9	<b>-</b> 9	6.2	6.2	9.0	0 0 4	9	9.9	i i	9.3	7.1					80 v 70 v		7.2
NO I A I ON	<b>b</b>	<u>~</u>		C	1	E	<b>5</b> .^	` '	t –	75	199	11	102	242	 	12.	38	162	54	53	80	86	128	127	221	271	, c	204	247	175	7.2	66	- 86	88	126	1	97	92	125	112	244	58	139	<u> </u>	109
			<		-	•	<b>-</b> :	3 `	\- <u>-</u>	36	25	30	79	92	0 0	) <del>-</del>	- 62	33	36	24	30	36	36	33	36	φ 0 α	7 9	<b>5</b> 8	54	48	30	20	7 T	33	30	! !	54	36	36	33	43	8 6	30 ta	0 <b>0</b>	36
		æ	∍	z	;	E	<del>5.</del> ~	~ 1	o -	16	19	17	<b>£</b>	25	?;	- c	17	<u>6</u>	7	<del>2</del>	14	<del>1</del> 5	14	£	æ :	- <del>-</del>	. 5	÷ &	34	23	£	<u>د</u> و		4	14	1	17	12	15	ភិ	16	o ;	13	5 5	<u>. t.</u>
		ی	_	<b>-</b>		E	₽.~	`.	<b>v</b> –	114	6	122	901	<b>1</b> 06	901	9 -		? <del>-</del>	102	108	120	93	113	104	103	5 5	3 5	103	121	80	130	116	104	2	8	1	76 6	134	98	104	125	102	88 77	5 C	16
							ţ	Λ.	<u>×</u> ب	· · · ·	Z	Σ	Σ	<b>Z</b> :	Σ:	E 3	E <b>2</b>	Ξ	L	<u>.</u>	<u>.</u>	L.	<u>.</u>	_	<b>-</b> 1		- 4	. Σ	Σ	Σ	Σ	Σ:	ž 2	Σ	Σ	Σ	L	<u>.</u>	L.	Ŀ	<u>.</u>	اينا	L L		
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	<	z	_	Σ.	≺ .	_	:	2 (	<b>-</b>	9	=	13	15	9 6	7 C	χ, ς χ, ς	2 5	14	e K	35	94	103	101	117	129	7.5	77	152	160	166	167	179	282	190	19.1	206	233	252	255	259	260	292	766		100

| **44-08-064-696666666666666666666666** 0 - 0 -E \$ 0 ~ \ -Table VI.5e (continued)

\*\*IMFNITY FOUR MONTH CHRONIC TOXICITY/CARCINDGENICITY STUDY OF

\*\*HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL CLINICAL CHEMISTRY VALUES - TEST WEEK 104  $\texttt{uni} \vdash \texttt{L40} \texttt{nmunon} \texttt{nnone} \texttt{$ E 01 \ D -00100-00-00000--00000---0000000----E 01 - 10 -00.00 00 E 0 - 0 -E 0 - 0 - $\verb"ow" = \verb"ow" = ow" =$ A - B5 T -| 000040004444044440000000000004444  $\bullet \, \varpi \, : \, \mathsf{OL} \, \varpi \, \mathsf{Ou} \, \mathsf{Ou} \, \mathsf{Gu} \, \varpi \, \mathsf{u}$ 4 2 0 5 7 7 -00 1000111011011111000100000010110110000 E 0 V 0 -

4 0

**4 1 8 / 5 1 0 8** 

Table VI.5e (Continued)
IMENITY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF
HEXALITORO 1,3,5-TRINITRO 1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
TADIVIDUAL CLINICAL CHEMISTRY VALUES TEST WEEK 104

<b>4 ⊃ 6</b> × 3	- C Œ	₹ 4 m m	4 4 4 5 6 6 7 7 6 4 6 4 6 6 4 6 6 6 6 6 6 6 6 6	
0 <b>5</b>	₹ -			
. C x	÷		4 4 7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
<b>2</b> (	<del>.</del>	<b>4</b> 5 <b>4</b> 2		
x E\$ :	-	शक्तर चऽच्च	~~~~~~~~. ~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
<b>2 K E S</b> C		2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ा तु में हु (५ के तु र ) । साम का चा चा चा मा मा स्था मा मा मा मा मा मा मा मा	
U <b>∢ E♡</b>	∿ € -	5 	5 2 5 5 5 1 2 5 1 2	
► 80 E Ō	∼ ס -	0000 744 64		
2 E E-	~ <b>v</b> ~	0000 0000 7.	6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
UIC. ED	~ <del>c</del> −	164 119 171 128	101 103 103 103 103 103 103 103 103 103	•
50 D سلة	~ 0 -			
- 680 5	\ D ~	909 209	- - - - - - - - - - - - - - - - - - -	c
⊢∝нс вб	<b>√</b> ₽-	72 48 95 52	. # 4 L 4 W 4 4 L 1, . # 7 W L E + 6 C + 1,	,
⊶ ⊣ني∢	<b>&gt; -</b>	36 38 87 79	136 136 38 23 30 30 33 41 77	13
moz ed	~ <del>0</del> ~	20 16 24 20	25 8 4 2 5 6 6 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	
ס ב כבט	· \ v -	94 97 114 103	944 110 112 99 97 96	7
	<b>у</b> х	2222	<b>2</b>	-
-a Ca	ء ⊂ ت	- សាលាហា -	ស ហ ហ ហ ហ ហ ហ ហ ហ ហ ហ ហ ហ ហ ហ ហ ហ ហ ហ ហ	5
< Z ~ X < =	Z C	620 634 649 667	670 685 692 692 697 699 710 717	7.45

- NO AVATIABLE DATA

= NO AVAILABLE DATA

Table VI.6a

IMENTY FOUR MONTH CHRONIC TONICITY CARCINOGENICATE TO THE SHE HEXARYDRO 1,3,5 TRINITRO 1,3,5 TREAZINE (REF.) IN THE 3.5 THE PAY

INDIVIDUAL ORGAN WEIGHTS (G) TEST WITH 3.5

© C <b>Z ∢ Q</b> W			· · · · · · · ·		2 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2
<b>∕۵</b> ⊥ພ <b>ພ</b> Z	1				0.748 0.700 0.694 0.434 0.516 0.424 0.448 0.448
	1			5.775 6.009 10.435 13.064 11.064 11.039 11.039	
∢∷ œ w Z ∢ ⊣ v					0.036 0.045 0.055 0.069 0.069 0.056 0.056
¥⊷≎Zw≻v		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	· · · · · · ·	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2.584 2.22 2.22 2.284 2.584 2.584 2.385 2.386 6.386 6.386 6.386 6.386
Iw∢α≻				<b></b>	0.962 0.938 0.938 0.647 0.609 0.705 0.707 0.595 0.663 0.663
∞ α <b>∢ -</b> Z				1 843 1 949 2 248 2 048 2 034 2 147 963	2 139 2 039 1 990 1 772 1 933 1 989 1 769 1 905 1 826
<b>2200≻ 3≥</b> ⊢	360 345 379 389	391 372 361 352 347 210	195 200 187 167 189 189	193 193 395 426 366 387 382	372 333 364 194 190 209 199 193 172 172 205
	; ; ; ; ; ; ;	IIIII X L.			\$ <b>\$ \$</b> \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
- 2 C C C C C C C C C C C C C C C C C C	2005	233 35 61 65 78		6444 662 662 776 888	201 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

Table VI.6a (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF

HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL ORGAN WEIGHTS (G) - TEST WEEK 27

0 C Z < C W		3.146 3.141 3.042 3.082 3.082 3.317	· · · · · · ·	0 104 3 1086 3 1086 3 1086 3 1086 3 1086 3 1087 3 181 6 139 0 139 0 133 0 133	
ωα┐шшZ				0 454 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
J ~ > m &	10.168 11.964 10.913			5 2 17 11 302 10 636 10 538 10 538 10 638 11 460 11 460 6 338 6 331 6 552 7 690 7 690	
<b>∢</b> □α⋒ <b>Σ</b> ∢⊐ທ				0.046 0.035 0.035 0.050 0.050 0.050 0.051 0.051 0.053	
X⊣ΩŻш≻ળ		2.337 2.503 2.508 2.602 2.602 1.543		1.672 2.812 2.812 2.483 2.350 2.568 2.669 2.669 1.514 1.525 1.336	1.668 1.357 1.480
Imαα⊢	1			0.724 1.326 1.046 0.993 1.0993 1.0993 0.938 0.662 0.662 0.662 0.662	
<b>ωα &lt; - Z</b>	1	1.917 2.949 2.942 2.011 1.687		2 159 2 057 2 057 2 057 2 057 2 059 2 093 2 080 1 988 1 840 1 866 1 866	1.991 1.809 1.737
<b>800≻ ≯</b> ⊢	380 397 378 363	363 382 348 348 202	200 180 201 198 193 195	1995 3995 3995 3995 3995 1995 1995 1996 1996	201 183 174
νшх	 	******		. W Z Z Z Z Z Z Z Z Z L L L L L L L L L	<b>LL LL</b> LL
<b>⊢</b> ¤ ७¤०⊃⊾		<b>ოოოოოო</b>	<b>00000000</b>	0 C C C C C C C C C C C C C C C C C C C	444
AZMEAJ ZO -	301 305 307 330	335 336 354 366 368 385	3994 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	44444444444444444444444444444444444444	581 593 599

Table VI.6a (continued)

Twenty four month chronic loxicity/carcinogenicity study of hexahydro-1,3,5-trinitro-1,3,5-triazine(rdx) in the fischer rat individual organ weights (g) - test week 27

© □ Z ◀ □ W	3.150 2.929 3.092	2.360 2.585 2.800	3.176	3.096 0.099 0.123 0.092	0.094 0.096 0.109	0.102 0.102 0.072 0.097
N C T M M S	0.582 0.731 0.588	0.640 0.653 0.497	0.726 0.637 0.659	0.636 0.424 0.563 0.441	0.554 0.565 0.499	0.551 0.542 0.439 0.451
J> m α	10.052 9.134 9.976	10.458 7.424 10.707	11.676 10.953 9.773	10.935 5.676 6.021 4.720	7.044	6.336 7.236 5.915 6.031
<b>∢</b> ∁&⋒∑ <b>∢</b> ┐∨	0.060 0.048	0.051 0.050 0.058	0.064 0.048 0.063	0.056 0.056 0.070	0.044 0.063 0.057	0.0/5 0.088 0.044 0.067
X∺□Zm≻v	2.551 2.391 2.368	2.435 2.435 2.458	2.530 2.662 2.327	2.802 1.494 1.787 1.271	1.806 1.806	1.565 1.705 1.475 1.563
Iω∢α⊢	0.966 0.907 0.894	0.867 0.882 0.876	1.053 0.975 0.983	1.090 0.607 0.733	0.864	0.690 0.731 0.588 0.666
αα < ⊷ 2	1			2.146 1.892 2.107		1.885 1.999 1.890
<b>800≻ 3</b> ⊢	245 287 306	303 246 313	354 329 294	355 181 189 184	242 236 11	. 215 246 194 202
νшх	2 2 2	: I I I		<b>2</b>	. <u>IL IL I</u> L :	<u> </u>
<b>⊢α</b> ७α०⊃ <b></b>	าขณ	របសា	ក្រសួ	វេលលល	ាលលាលា	വവവവ
AZHXAJ ZO ·	609	621 625 643	657 659 664	666 679 680	706 713 715	723 734 741 742

--- = NO AVAILABLE DATA

- NO AVAILABLE DATA

Table VI.6b

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF

HEXAHYDRO-1,3,5-TRINITRO 1,3,5-TRIAZINE(ROX) IN THE FISCHER RAT

INDIVIDUAL ORGAN WFIGHTS (G) - TEST WEEY 52

00Z40v					8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
ωσ┐mωZ					0.815 0.815 0.797 0.749 0.559 0.517 0.517 0.513
~ ω α γ ω α	1			<i></i>	12. 605 12. 111 12. 134 12. 134 12. 136 6. 447 6. 480 7. 181 7. 181 6. 452 6. 452 7. 166
<b>ΦΟΖΕΖΦΙ</b> Ω	6000	0.0000	20020000000000000000000000000000000000	9 9 9 9 9 9 9 9	0.052 0.052 0.053 0.053 0.053 0.053 0.053 0.053
¥ - 0 Z w > v		2.974 2.968 3.459 3.312	· · · · · · ·		2 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
Iω∢α⊢	1, 196 1, 223 1, 305 1, 334		- 433 0.760 0.686 0.702 0.826 0.735		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
œα∢⊢2					2 108 2 108 2 108 2 108 2 104 2 104 2 109 1 99 1 95 1 94 1 94 1 94 1 94 1 94 1 94 1 94 1 94
<b>8000≻ 3</b> 5 ←	401 439 427 430	4 19 4 3 1 4 7 9 6 6	463 208 219 237 256	222 222 222 224 204 204 204	2 4 4 4 8 8 4 4 2 2 2 2 2 2 2 2 2 2 2 2
ишх	 		<b>ջ</b> և և և և և և		
+α υαο⊐4 <b>42-3-1</b>	19 1 1 2 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	30 33 48 62 48			183 2 2 1483 2 2 2 1483 2 2 2 1483 2 2 2 148 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

- = NO AVAILABLE DATA

	<b>७०</b> ₹ <b>०</b> ₩	3.366 3.184 3.212 3.342 3.552		0.120 0.113 0.079 0.135 0.135 3.259 3.259 3.259 3.222 3.222 3.222 0.145 0.157	042042
	∾ ๔ ⊐ ๗ ๗ ℥	1		0.500 0.500 0.510 0.530 0.830 0.830 0.761 0.761 0.761 0.522 0.522 0.522 0.522 0.523 0.523 0.523 0.523 0.523 0.533	
OF R RAT	→ > w α	13.831 12.749 12.749 13.308 13.111 13.110	12.528 10.266 15.239 5.921 7.009	6. 143 6. 143 6. 143 6. 146 6. 146 7. 148 7.	6.015 6.282 6.282 7.461 7.243 6.492
(continued) /carcinogenicity stuby ( INE(RDX) IN THE FISCHER G) - TEST WEEK 52	∢□αmΣ∢⊣∾	1		0.063 0.063 0.063 0.063 0.063 0.055 0.058 0.058 0.058 0.058	
VI.6b (continued toxicity/carcinogenica, 5,5-TRIAZINE(RDX) IN WEIGHTS (G) - TEST WE	X⊢□Z≡≻ທ	2.041 2.754 3.020 3.189 2.971		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	1,758 1,758 1,662 1,679 1,980
Table UR MONTH CHRONIC 3,5-TRINITRO-1,3 NDIVIDUAL ORGAN W	Iω∢α⊢		1.348 1.455 1.344 1.314 0.800 0.782 0.782	0.689 0.750 0.750 0.750 0.750 1.281 1.271 1.275 1.275 1.275 0.882 0.888	0.774 0.772 0.762 0.753 0.828
TWFNTY FOUR HEXAHYDRO-1,3 IND	∞α∢⊶Ζ			2.022 1.922 1.923 2.032 2.235 2.235 2.235 2.152 2.152 1.968 1.968	<b>.</b>
	₩ O O > > ≥ ⊢	433 404 404 441 427	420 4373 222 223 223 223	209 202 202 228 228 411 421 421 432 381 408 210 210	230 221 221 230 230 230
	wш×	*****	****	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	. <b></b>
	<b>⊢</b> α ೮αο⊃α				विवयववव
	∢Ż∺¥∢⊐ ZO ·	303 303 316 316 317 322 341	356 363 370 378 392	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	561 573 580 588 594 595

Table VI.6b (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT
INDIVIDUAL ORGAN WEIGHTS (G) - TEST WEEK 52

0 D Z < D 0	3.100 3.118 3.062 2.667 2.855 1.854 1.854 0.096 0.096 0.098	0.168
Nσ→mmZ	0.809 0.762 0.561 0.665 0.675 0.714 0.722 0.722 0.722 0.726 0.726 0.726 0.726 0.726 0.557	0.583 0.583
コー>mR	12. 672 12. 804 12. 888 12. 824 12. 608 13. 065 13. 065 13. 065 14. 529 15. 7. 529 16. 331 17. 958 18. 660	8.436 7.687 9.125
<b>よひな手 Z 4 」</b> W	0.061 0.055 0.055 0.055 0.037 0.037 0.038 0.074 0.099 0.099	0.017 0.097 0.103
⊻ ⊷ a Z w ≻ vì	3.298 3.015 2.777 2.965 2.730 2.730 3.329 3.067 1.899 1.759 1.628 1.979	1.992 1.839 2.186
Iω∢α⊢	1. 150 1. 157 1. 157 1. 137 0. 963 0. 964 1. 137 1. 129 1. 150 0. 848 0. 971 0. 842 0. 958 0. 958	0.837 0.824 0.883
<b>ωα&lt; Σ</b>	2 289 2 136 2 136 2 136 2 131 2 114 2 176 2 176 2 176 1 982 1 970 2 083	2.079 2.018 2.029
<b>∞</b> ○○≻ <b>≯</b> ►	250 258 358 358 352 352 455 455 242 250 250 258	242 228 250
רע ממט אר	. No no no no no no no no no no no no no no	ID 10 10
42-24- ZO .	6600 4 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1	

--- = NO AVAILABLE DATA

Table VI.6c

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF

HE KAHYDRO: 1,3,5-IRINITRO-1,3,5-IRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL ORGAN WEIGHTS (G) - TEST WEEK 105

७ o <b>z ∢</b> o v	1 J 4 6 ! 1 1 I I 1 I 1 I	t   	1 1	: :	1 1	- 	i i	1 1 1 1 1	1 1	1   1   1	! ! ! ! ! !	!	! !	     	1	1 1	] !	1 1	1	1 1	1 1	1	1	1	1	1	1 1	†         	0.141	
N G J W W Z	3.948	÷ (			•					•				•									0.977	•			5.310		• •	5.911
	19,520																	13.074				•			13.826		ਯੂ. •			3
<b>∢</b> □απ2∢¬ν	0.065							•					•														0.066		90	690.0
$X \vdash \Box Z \vdash \wedge$	3.553																													
Σω∢α⊢	1,593	1,341	1,504	1.080	1.355	1.463	1.318	1.298	1.349	1, 156	1.521	1.317	1.455	1 304	1.347	1.141	1.444	1,363	1,440	1.373	1.215	1.313	0.971		1.724	1.748	1.420	1.231	1.064	1.022
۵α∢⊢2	2 105 2 156																							•						
<b>8000≻ 3</b> 1≻	365	140	262 3 <b>8</b> 0	323	407	394	387	398	296	418	347	444	464	395	444	383	418	382	414	406	345	344	34.0	363	463	394	1 6	381	309	287
νω× -α σασ⊃α	<b>2 2</b>	<b>E</b>	E	<b>2 2</b>	<b>.</b>	¥ ¥	<b>*</b>	¥ ¥	Ξ.	<b>X</b> :	Z 2	Σ	Σ:	Σ <b>2</b>	ΞΞ-	Σ:	<b>z</b> :	<b>2</b>	2	<b>z</b>	<b>Z</b> :	E 3	E <b>E</b>	Σ-	₹	Σ:	<b>E</b> :	¥ 3	: L	. <b>L</b>
42-24- ZC	្រំ	- :	2.5	<u> </u>	16	20	22	25	9.6	32	3.4 3.6	37	39	4 4 6 4	4 4 50	46	47	2 2 2 3	53	57	ر د د	60	9 59	70	7.1	12	73	74 75	76	11

Table VI.6c (continued)

The state of the s

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINDGENICITY STUDY OF HEXALLYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT INDIVIDUAL ORGAN WEIGHTS (G) TEST WEFK 105

GOZ∢ON	1	11111	0. 120 0. 021 0. 092 0. 120 0. 140			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
wανωωΖ	1					1.155 1.085 0.792 0.562 0.562 0.545 0.545 0.647 0.712 0.916
ר ≻ m ≪				7 464 8 509 8 464 10.944 7 836		9.926 10.033 9.033 8.233 7.898 11.156 7.939 9.977 9.201
< a & u 2 < u v	1				0.070 0.093 0.091 0.065 0.072 0.050 0.058	0.070 0.057 0.055 0.063 0.073 0.060 0.060 0.061 0.061
X → □ Z m > w	,					2.175 2.288 2.288 2.051 2.051 2.127 2.127 2.222 2.321 2.331
<b>Ξω∢α⊢</b>						1.001 0.933 0.946 0.952 0.934 0.933 1.007 1.007
∞α<-Ζ		1,958 1,958 2,018 1,989 1,896	and the second second		and the second of the second o	1, 988 2, 223 2, 030 2, 030 1, 969 1, 969 2, 020 2, 020 2, 020 1, 963 1, 983 1, 983
<b>8000≻ 3</b> ⊩	243 297 298 234	271 254 226 278	274 311 284 276 295	272 304 290 191 258 277	277 217 264 287 258 283 287 318	297 314 288 274 286 301 247 277 313 313 296
~ w ∪ x ∪ x			L L L L L L L		14 14 14 14 14 14 14 14 14 14 14 14 14 1	
	8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	95 96 100 101	103 105 107 108	109 115 117 122 126 126	129 130 131 132 134 136 137 146 147

= NO AVAILABLE DATA

Table VI.6c (continued)

1WFNIY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF

HEXAHYURO 1,3,5-TRINIIRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL ORGAN WEIGHTS (G) - TEST WEEK 105

00Z40W	0.092					00.00
ωσηmmZ		3.391 2.871 1.654 3.794 1.885		6.343 1.330 1.237 5.891 1.222	· · · · · · · · ·	13.173 1.347 1.114 1.114 1.4.750 1.871 1.871 0.621 0.621
J ™ > ™ &	1				15.551 12.954 12.973 12.807 15.848 15.848 19.920 19.831	12.682 13.668 14.674 14.261 16.054 9.245 9.245
<b>40RmNA</b> 10	1					0.087 0.087 0.061 0.061 0.062 0.064 0.072
X H C Z W ≻ V	,					2.294 3.254 3.254 3.254 3.261 3.805 2.210 2.245
Iω∢α⊢	1,114	1.964 1.964 1.347 1.460	1.382 1.606 1.625 1.307	1.565 1.606 1.445 1.310	204 1 204 1 203 1 203 1 200 1 417 1 693	1.356 1.356 1.358 1.458 0.966
∞┎∢⊢⋜	1				2 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	2.295 2.295 2.296 2.286 2.080 2.178 2.009 2.009
<b>800≻ 3</b> ►	268 365 413 278	37,8 37,7 382 403	385 402 403 335 405	364 3922 3922 446 446	33 8 8 32 1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
ишх		E Z Z Z Z Z	IIII:	*****	********	E
- C C C C S - Z - Z P Z - Z P	1					201 208 208 212 220 221 220 221 223 223 223 223 223 223

--- + NO AVAILABLE DATA

Table VI.6c (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGENICITY STUDY OF

HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL ORGAN WEIGHTS (G) - TEST WEEK 105

U □ Z <b>∢</b> ⊖ W		· · · · · ·		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
να ¬ w m Z	,			0.517 0.747 0.747 1.821 1.886 0.615 0.459 0.576 0.362	
<b>⊣⊢&gt;ωα</b>				7 - 693 10 - 694 10 - 694 9 - 638 9 - 550 10 - 332 10 - 332 7 - 695 7	<b></b>
A D Z M Z A J N	1	0.058 0.054 0.062 0.063 0.053		0.053 0.064 0.062 0.064 0.062 0.062 0.063	0.046 0.055 0.057 0.061 0.050 0.059
X⊣ΩZm≻ν				2 2 2 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4	
Iω∢α⊢	0.939 0.939 0.905 0.913	1.109 0.903 1.038 1.038 1.097 0.897	0.929 0.885 1.001 0.982 1.015 1.072 0.986	1. 117 1. 117 1. 108 1. 000 0. 894 0. 992 0. 827 1. 135 1. 073 0. 973	0.921 0.952 0.962 0.962 1.005 1.008 0.966
∞α<-2				2 052 2 052 1 989 1 943 2 059 1 897 1 949 1 868	
<b>800&gt; ≯</b> ⊢	232 232 282 283 284 252	305 266 278 321 291 279	250 256 293 293 300 226	200 200 306 306 309 215 220 220	211 286 277 277 297 273 285
	1			, , , , , , , , , , , , , , , , , , ,	
42 <b>-24</b> - 20 -	233 234 235 236 236	240 241 244 246 247 249 250	252 253 253 255 260 262	265 265 266 271 272 273 277 280 281	286 288 288 290 297 297

Table VI.6c (continued)

IWENIY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF

HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL ORGAN WEIGHTS (G) - TEST WEEK 105

<i>U</i> 0 Z	∢ 0	S	0.119	60	;	1 1	;	!!	;	!	1 1 1 1 1 1	1	1 1	1	!	1	1	1	\$ 1 1 1 1 1	1	; ;	1	1	1	1		-		69	2 :	0.128	. 12	9	3		0.132	? \$	
ט פ	1 LL 1 LL	J <b>Z</b> J		•	•	1.305		•	•		•	•			•		•	•	•	•	•			•	•	•	•		•	•	•	•	•			•		
J 1-4	> u	1 5X 1	7.878	10.425	16.140	14.365	13.416	0	13.999	- 1	40	9.633 808	13.971	13, 185	13.431	9.797	11.547	11.107	15.038	13.00	ח פ	· Kr		4	ימו	r? '	Τ,		968.6	•	•	•	•	•	•	•	•	8.165
∢ Q & ₩ Z	: ∢ _	S	0.052	•		0.127				•		•			•	•	•	•	•	•				•	•	•	•	•		•	•	•		•		•		
X ⊷ © Z	∶ω>	· S		•	•	3.029		•	•	•	•	•	•		•	-			•	•	•			•	•	•	٠	•	•	•	•	•	•	•		•	•	. <del>.</del> .
Iω	√ 4 0	<b>←</b>	0.948	1.058	434	1.517	1,338	1, 155	1.218	1.347	1.619	780.	1.384	1.320	1.837	1.086	1.425	1.169	1.571	1301	1.355 0.992		1,171	1.277	1.390	1.326	•	٠	•	1.024	•	0.979	•	1.067	•	. 023	3 8	0.955
ω α	: ∢ ⊢	7 Z		•		2 030			•	•	•					•				•		•		•		•		•			•	•	•					1.988
<b>∞</b> □○>	. 3	<b>k</b> p== 1	274	306	316	286 390	384	358	364	358	476	507	4.5	440	260	229	. 357	316	45C	427	386	376	373	256	368	389	421	285	276	2/8	335	262	255	314	897	202	9/7	282
	cνщ	. ×	L.	u :	<b>X</b>	E Z	<b>.</b>	I	Œ	I	<b>z</b> :	E 3	E Z	: <b>2</b> :	Ξ	I	I	Σ	S :	<b>z</b> :	Σ 3	2	Œ	I	Œ	Σ	<b>Z</b> (	•	<b>L</b> (	4	<b>L</b>	<b>L</b>	<b>L</b>	u. i		L U	<b>.</b> l	_ 1_
⊢α ೮α	0 =	۵ م	7	0	77	<b>с</b>	n	<b>6</b>	ო	ტ -	<b>е</b>	י) ר	<b>7</b> (7)	, m	6	e	6	က	<del>ი</del> (	m (	יי כי	) C	0	က	ო	ო	ტ (	m	ო (	י ני	ო (	e .	ტ (	m (	<b>n</b> (	י כ	י כ	n m
A Z H Z A J	zc	· •	297	298	302	304	313	320	321	323	325	370	33.1	332	334	339	340	344	346	347	353	3.58	362	364	367	372	375	3/6	377	780	381	382	384	388	500	394 405	200	398

--- = NO AVATLABLE DATA

Table VI.6c (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF

HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRILZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL ORGAN WEIGHTS (G) - TEST WEEK 105

U C Z ∢ C W	, <i>.</i>				00.000 00.000 00.000 00.000 00.000 00.000	• • •
$v \sigma \neg m m S$	1					0.503 0.594 1.398 1.423 0.867 1.179 1.652 0.956 1.973
<b>しょ &gt; m な</b>	8.261 7.656 10.571					9.053 9.053 9.318 13.149 13.541 12.854 12.959 13.490 15.660
<b>40mmN4</b> 1%	500					0.065 0.073 0.054 0.057 0.057 0.057 0.073
<b>ス ⊢ O Z w</b> ≻ い	1					2.071 2.327 2.327 3.299 3.299 3.285 3.285 3.261 3.333 3.333 3.333
Įω∢α⊢	0.991	1.052 1.052 1.098 1.001	0.925 0.934 0.995 + 1.035	0.947 0.944 0.947 0.947	0.863 1.023 1.023 1.023 1.029 0.969	1.010 1.009 1.282 1.282 1.493 1.124 1.257 1.258 1.250
∞α∢-2	2.057 1.965 2.098		1.963 1.966 1.959 1.959	1,997 2,025 1,958 2,061 1,966	1.9882 1.9887 1.9887 1.947 1.956 1.956	2.011 2.034 2.230 2.230 2.295 2.334 2.334 2.275 2.266
<b>∞</b> 00> <b>≯</b> ⊢	300 277 310	204 327 279 285	264 264 288 190	284 - 284 -	254 280 293 254 176 270	326 313 414 413 314 314 314 314 314 314 314
<b>⊢α ΰα</b> Ο⊃α νω×		66666 FFFFF	, , , , , , , , , , , , , , , , , , ,		•	U U U U U U U U U U U U U U U U U U U
<b>∢Z⊢∑∢</b> J ZO ·	399 401 402	406 406 413 415	416 417 420 422	4 4 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	4 4 4 6 4 4 6 6 4 4 4 6 6 4 4 6 6 4 6 6 4 6

- = NO AVAILABLE DATA

0 . 160 0 . 099 0 . 009 0 . 009 0 . 123 0 . 123 0 . 123 0 . 129 0 . 129 0 . 129 3.886 1.303 0.870 0.870 0.870 0.8872 0.881 1.1009 1.136 0.881 1.1009  $\omega = \omega = z$ J ~ > W & IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINGGENICITY STUDY OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT INDIVIDUAL ORGAN WEIGHTS (G) - TEST WEEK 105 117 060 067 060 068 076 065 0.107 0.080 0.080 0.077 0.065 0.079 0.071 0.071 0.051 0.065 0.065 0.065 0.065 0.065 0.065 0.065 0.065 0.065 0.065 0.065 0.065 0.065 0.074 0.074 0.074 0.075 0.065 276 287 274 274 080 967 333 124 00000-00000--00-0 ZO

(continued)

Table VI.6c

Table VI.6c (continued)

IWFNIY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF HEXALHYDRO-1.3,5-TRINITRO-1.3,5-TRIAZINE(RDX) IN THE FISCHER RAI INDIVIDUAL ORGAN WEIGHTS (G) - TEST WEFK 105

00240W	}		0.119 0.127 0.165 0.126 0.075			0.104 0.118 0.118 0.077 0.007 0.162 0.096 0.096 0.096
<b>∾</b> ∉ ¬ ₪ ⋒ <b>Z</b>				<i></i> .		8.914 2.395 0.730 0.651 0.508 1.366 2.147 0.641 0.510
→ > m &	, , , , ,	. <b>.</b>				10.409 9.037 7.939 7.650 10.212 8.940 8.759 10.200
<b>∢ひなまなべ</b> っぴ.	,	<b>.</b>				0.078 0.078 0.083 0.088 0.088 0.078 0.090
¥∺□Zш≻ળ	1			<b>.</b>		2.202 2.430 2.350 1.873 1.780 2.277 2.976 2.342
Ιω∢α⊢	0.920 1.003 0.966		0.830 0.912 0.996 0.951 0.954 0.891		1.285 1.367 1.367 0.949 0.961 0.891	<b>.</b>
<b>8</b> α < <b>-</b> Ζ		2 075 2 1966 2 108 2 019				2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
œ © Q > <b>3</b> ⊢	297 276 261 261	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	265 238 307 309 241	285 261 262 262 296	333 345 345 244 254 254 254 254 254 255 255 255 2	258 241 235 235 254 232 232 233
vm× ⊢a aco⊃e	!					. Ա Ա Ա Ա Ա Ա Ա Ա Ա Ա Ա Ա Ա Ա Ա Ա Ա Ա Ա
<b>42∺</b> ¥<→ ZC ·	558 559 562 563	5566 568 571 572	5576 584 585 585 586 587	589 590 591 600 620	55 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	693 693 693 707 700 710 712

Table VI.6c (continued)

IWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF

HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE(RDX) IN THE FISCHER RAT

INDIVIDUAL ORGAN WEIGHTS (G) - TEST WEEK 105

00Z < Q 0	0.095	0.053	0.116	0.075	0.048	0.111	0.105	0.079	0.118	0.076	0.079	0.129	
N G T M M Z	0.554	1.647	1.672	1.508	0.682	0.541	909.0	0.959	0.563	0.492	0.810	0.612	•
> w &	7.250	8.943	000	9 422	10.04	898 01	7 456	7 031	808.04	20.50	9.505	2.00	
<b>ϤϦϾΞϤϤ</b> Ο	0.072	890 0	0.067	750.0	1000	0.00	290.0	90.0	700.0	0.068	0.078	20.0	2.5.0
$X \mapsto O S m > 0$	1 970	200.0	2.381	2.352	2.43/	2.282	1 6	1.8.1	2.235	2.1/1	2.193	2.281	2.2.10
Iω∢α⊢	9000	936.0	788.0	1.000	1.062	1.119	1.049	0.859	1.191	1,009	0.954	1. 104	0.945
ωα < - Ζ		2.072	2.091	2. 120	1.954	1.959	2.040	1.983	1.969	2.080	2.037	2.043	2.005
<b>800≻ 3</b> ≻		233	255	240	242	202	268	508	170	241	228	268	766
νш×	1 1 1 1 1 1	L.	<b>L</b>	L.		. 14		·	. 止			. L	u
<b>⊢</b> ∝ ଓ∝୦⊃ଦ	1	ß	r.	u:	n C	<b>.</b>	· R	ı,	េធ	<b>.</b>	ព	ı D	u
42H <b>24</b> J 20 ·	1 1 1 1	724	726	429	733	736	737	738	739	744	745	747	140

- NO AVAILABLE DATA

APPENDIX VII
CHLORTETRACYCLINE CONTENT OF 5002

## CHRLORTETRACYCLINE CONTENT OF 5002

## ANALYTICAL RESULTS (ppm)

		SAMPLE IDE	NITETCVITC	11
SOURCE OF ANALYSIS	<b>A</b> .	В	2	Д
TEI ANALYTICAL*			9.9	
TEI ANALYTICAL*	12	9.9	7.7	10.2
SCIENTIFIC ASSOCIATES**	1.76	1.72	1.20	1.64
WOODSEN-TENENT LABS, INC.**	N. D.	N. D.	N. D.	N. D.
HARRIS LABS, INC.**	<0.05	<0.05	<0.05	<0.05

Sample A = Lot No Sept.18.81 Sample B = Lot No Dec.10.81

Sample C = Lot No March.24.82 (Original lot)

Sample D = Lot No Sept. 10.82

\*Method: Snell and Snell, Colorimetric method of analysis. Vol. IVAAA, pg. 184

\*\*Method: AOAC, XIII, pg.722-723, paragraph 42.211-42.214; Detection limit  $\geq$  9.1 ppm

N. D. = None Detected

APPENDIX VIII

NITRATE, NITRITE AND MERCURY CONTENT OF 5002

## NITRATE, NITRITE, AND MERCURY CONTENT OF 5002

LOT NUMBER	NITRATES(ug/g)	NITRITES(ug/g)	MERCURY(ug/g)
SEPT 17-801G	7.8	0.04	0.03
OCT 29-801N	5.6	0.4	0.06
NOV 19-802K	3.4	<0.1	0.05
DEC 02-801G	1.1	<0.1	0.04
JAN 08-811J	1 4	<0.1	0.04
JAN 15-812E	32	<0.1	0.02
FEB 03-811B	9.2	<0.1	0.04
JAN 21-811N	32	<0.1	0.11
MARCH 05-811A	13	<0.1	0.14
MARCH 17-811M	<3	<0.1	0.02
APRIL 30-811D	<3	0.3	0.01
MAY 13-812K	15.3	0.2	<0.06
JUNE 01-812D	<2.0	0.6	<0.1
AUG 04-811T	28	0.5	0.03
SEPT 18-811A	<2.0	<0.1	0.05
OCT 07-811J	6.3	0.2	0.15
1V 12-811G	16	0.4	<0.02
10-811A	12	<0.2	0.09
22-821K	1 4	<0.2	<0.05
∄EB 09-821C	7.2	0.4	0.05
MARCH 24-822G	19.0	0.24	<0.05
MAY 12-822F	16.4	0.1	<0.05
JUNE 04-821K	17.0	0.1	<0.05
JULY 29-821G	11.8	0.1	0.06
SEPT 10-822J	5.0	0.1	0.2
OCT 20-822L	4.7	0.1	0.2
NOV 23-821M	15.4	0.2	0.05

APPENDIX IX
CHICAGO WATER CHEMICAL ANALYSIS

Course Course Feb. 3	WATER F	WATER PURIFICATION C	DIVISION COMPREHENSIVE	NSIVE CHEMICA	WATER	PURIFICATION YSIS	LABORATORY		Of the state of th	
11				ı٠				WALTSIS LUMPLETED		11
		DETERMINED	STORET	SOUTH	•	RICT	CENT	CENTRAL AND NORTH	WATER	DISTRICTS
	<u> </u>		NUMBER	NAW CRIB	COMPOSITE	SAMPLES DISTRIBUTION	RAW CRIO	COMP	COMPOSITE SAMPLE	NOR DISTR
Trupe autuae		30	01000	3	-	_	2		2	3
	-	M TU.	90000	9.0	0.15	0.20	0.50	0.27	0.28	0.30
THRESHOLD ODOR, STRAIGHT	6	T.O.M.	99000	À	32	36	#Q2	3	321	ઝ
THRESHOLD ODOR, DECHLORINATED	3	T.O.N.			M	2	•	¥	×	Ξ
COLOR	91	Pt-Ca UNITS	09000	7	0	0	_	0	0	٥
M4	6.5-0.5	STD. UNITS	00400	8.3	8.3	6.3	6.3	3.4	9.5	9.6
ALKALINITY, PHTH.		10000	00415	0	0	0	0	1		-
ALKALINITY, TOTAL		COCO	00410	8	15	115	×	<u>(1</u>	911	811
SIN FATE	280	708	00945	20.0	27.5	28.3	23.0	24.2	2.5	28.5
CHIODIO	250		00940	5.01	3:1	11.2	9.2	6.6	10.2	6.6
FI LORIDE		•	09600	0.16	06.0	96.0	0.16	9.0	0.90	0.97
PROSPHATE TOTAL			00650	9	0.0	0.02	0.0	800	0.0	0.0
_	+	000	00653	0.0	0.0	10.0	0.0	(0.0)	0.0	0.0
C Still Stil		610-	S S S S S S S S S S S S S S S S S S S	0		1	6.1	- 2	2	-
_		anie.	93600			g		<u>.</u>		Ş
DAGME CHIM		1	00027	2	: 2	9	2	2	2	2
_	-	*	72600	6.	2	2.0	6.1	5:-	9.	1.5
_	-	Z.	00058	5.2	5.2	5.2	6.9	-	4.8	8.9
٠.		TOT COLIDE	00500		, M	Ē	2	2	2	2
_	900		61600	JE P	122	#	28	38	35	191
DXYGEN, DISSOLVED		0	00300	- · ·	13.9	12.7	14.2	14.2	13.5	13.8
T OXYGEN DEMAND, CHEMICAL		0	00335	15.4	6.5	10.3	15.4	7.2	6.2	9.3
E NITROGEN, AMMONIA		N	01900	Ø.0	(0.0)	<0,0l	Ø.0l	(0.0)	₽.6	Θ,Θ
	1/10	2	00630	0.77	0.26	0.36	0.2	0.25	0.25	0.24
NITROBEN, ORBANIC		2	60900	o.0	0.10	90.0	0,10	90.0	9,08	0.10
_	0.2	3	00720	Ø.00	Ø.00	Ø.002	<0.002	20.00	70°.002	<0.02
4 FOAMING AGENTS	0.5	MBAS	36260	9.9	60.05	<0.05	<0.05	Ç0.02	Q.B	8.9
HARDNESS		COCO	00600	38	<b>*</b>	1	=	2	\$	2
4										
ALUMINUM		¥	01150	90>	230	R	Ş	Ē.	8	8
_	50	A:	01002	>	⊽	>	>	⊽	-	>
BARIUM	000	9•	01007	5	\$	Ŕ	\$	8	X.	5
	8		01022	0	9	5	5	5	5	5
_	2	70	01027	7	3	3	7	7	8	3
ك	90	ŭ	01034	>	<b>=</b>	<b>~</b>	⊽	>	\$	>
		ပီ	01037	Ÿ	<b>▽</b>	>	>	>	>	7
R COPPER	9000	•3	01042	2	₹	>	₽	>	7	V,
	000	2	01045	2	2	99	O)	B)		3
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